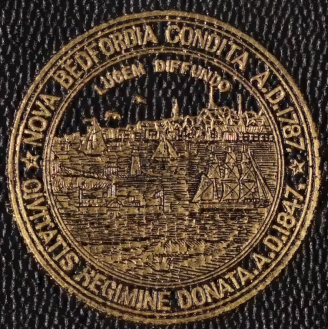

NOVA BEDFORDIA CONDITA A.D. 1787
LUCEM DIFFUNDO
CIVITATIS REGIMINE DONATA A.D. 1847

CITY DOCUMENTS

Municipal Register 1917,

Mayor's Address to the Council,

Annual Reports, Etc.

FOR THE YEAR 1916.

CITY OF NEW BEDFORD
MASSACHUSETTS

INDEX IN DETAIL

MUNICIPAL REGISTER. Page

Mayor 1
City Council 1
Standing Committees of City Council 2
City Clerk 2
City Treasurer and Collector 2
City Auditor 2
Clerk of Committees 2
City Solicitor 2
City Engineer 2
Superintendent of Streets 3
Superintendent of Buildings 3
Assistant Superintendent of Buildings 3
Inspector of Wires 3
City Physician 3
Sealer of Weights and Measures 3
City Forester 3
Superintendent of Sewers 3
Harbor Master 3
City Wharfinger 3
Inspector of Crude Petroleum 3
Fence Viewers 3
Caretaker of Graves of Soldiers and Sailors 3
Registrar of Labor 3
Consulting Engineer, Intercepting Sewer 3
Inspector of Milk, Provisions and Animals 3
Board of Health 4
Assessors 5
Overseers of the Poor 5
Free Public Library 6
Commissioners of Sinking Fund 6
New Bedford Water Works 6
Park Commissioners 6
Cemetery Board 7
Registrars of Voters 7
Licensing Board 7
Fire Department 7
New Bedford Protecting Society 8
Police Department 9–12
Minor Officers: Special Police 12–15
Constables 16
Public Weighers 16–19
Weighers of Coal 19–20
Weighers of Boilers and Heavy Machinery 20
Surveyors of Lumber 21
Measurers of Grain 21
Measurers of Wood and Bark 21
Election Officers 22–29
Ward Lines 30–31
Voting Precincts 33–36

MAYOR'S INAUGURAL ADDRESS.

	Page
Introduction	3b
Municipal Debt	4b
Widening of Union Street	5b
Municipal Hospital	6b
New schools	6b
Municipal auditorium	6b
Revision of ordinances	6b
School halls for community purposes	7b
Enforcement of laws	7b
Sunday theatricals	7b
Conclusion	8b

ANNUAL REPORTS.

Bath Houses, 3 pages, folio letter C.

New bath houses	2C
Statement of receipts	2C
Financial Statement	3C

Building Department, 23 pages, folio letter D,

New central fire station	3D
Sale of old central fire station	3–4D
Portable school buildings	4D
Public bath houses	4–5D
Wharf repairs	5D
Fifth street school	5–6D
Pumping station	6D
New schoolhouse	6D
New central police station	7D
General repairs	7D
Schoolhouses	8–10D
Fire stations	10D
Police stations	10–11D
Miscellaneous	11D
Repairs necessary to buildings	12–14D
Building statistics	15–18D
Schools	15D
Fire stations	16D
Police stations	17D
Other public buildings	18D
Building Statistics for 1916	19D
Government buildings	19D
Statistics of previous years	20D
Inspections	21D
Violations	21D
Elevator inspection	22D
Inspection of street signs	22D
Hotel and lodging house inspection	23D

Cemetery Department, 16 pages, folio letter E.

Personnel	2E
Financial statement	4–6E
Work of department	7–9E
Assistant superintendent's report	10–12E
Construction work	13E
Perpetual care	14–15E
Caretaker of soldiers and sailors graves	16E

Page

City Clerk, 15 pages

License receipts 3-4
Fees 4
Other financial business 4
Vital statistics 5-6
Parentage of children born in 1916 7
Elections 8-15

City Auditor, 49 pages

Appropriations, receipts and expenditures, 1916 ..... Insert
Receipts 3-8
Taxes 3
Licenses and permits 3
Fines and forfeits 3
Grants and gifts 3
Special assessments 4
Privileges 4
Departmental 4-5
Interest 6
Municipal indebtedness 7
Agency and trust funds 8
Payments 9-39
General government 9-13
Protection of life and property 14-16
Health and sanitation 17-22
Highways and bridges 23-25
Charities 26
Soldiers benefits 27
Education 28-30
Libraries 31-32
Recreation 33-34
Unclassified 35
Public service enterprises 36
Cemeteries 37
Administration of invested Funds 38
Interest and indebtedness 38
Sinking funds 39
Agency, trust and investment 39
Summary 40
Statement of bonded debt and sinking funds ..... Insert
Balance sheet 41
Certificate 42
Schedule and valuation of city property 43-48
Certificates 49

City Treasurer, 12 pages

Cash receipts and payments 4
Cash receipts in detail 5-6
Cash payments in detail 6-7
Valuation of real and personal property 10
Comparative table of division of tax rate 10
Bonded debt 11
Treasurer's report of trust funds 12

Page

Collector of Taxes, 4 pages

Statement of sewer assessments 14
Tax collections 15
Collections of warrants 16
National bank taxes 16
Street railway excise taxes 16
Trustees of Kempton Fund 17–18

Commissioners of Sinking Funds, 7 pages, folio letter H

Treasurer's account 24H
Investment of sinking funds 25-29H

Engineering Department, 22 pages, folio letter J

Municipal statistics 2J
Financial statement 3J
Sewers 4–7J
Classification of work 8J
Table of construction of sewers ..... Insert
Streets laid out and accepted 9J
Streets widened, discontinued, and altered 10J
Record of tides 11J
Meteorological record 12J
Report of consulting engineer 13–16J
Day labor, intercepting sewer 17J
Contract work, intercepting sewer 18–19J
Maintenance cost, intercepting sewer 20J
Expenditures for 1916, intercepting sewer 21J
Total expenditures, intercepting sewer 22J

Fire Department, 27 pages, folio letter K

Personnel 2–4K
Apparatus 5–6K
Pension list 6K
Fatalities 7K
Financial statement 8K
Report of alarms, losses and insurance 9K
Recommendations 10K
Signal system 11–12K
Roster 13–24K
Protecting society 25K
Causes for fires and alarms, 1916 ..... 26–27K

Health Department, 41 pages, folio letter L

For index, see page 41.

Inspector of Animals, 2 pages, folio letter M

Inspector of Wires, 10 pages, folio letter N

Inspection of inside wiring 3N
Removal of overhead wires and construction 4–5N
Removal of unnecessary poles and wires 6–7N
Outside work 7–8N
Police signal system 8N
Recommendations 9–10N

Page

Public Library, 52 pages, folio letter O

Personnel 2O
Librarian's report 4–9O
Resources and additions 4O
Activities 5-7O
Library needs 7–8O
General notes 8–9O
Juvenile room 10–11O
Appendices 12–52O

Park Department, 22 pages, folio letter P

Personnel 2P
Report of board 3–5P
Superintendent's report 6–13P
Financial report 15–22P

Police Department, 18 pages, folio letter Q

Arrests 4Q
Offences 4–6Q
Disposition of cases 6–7Q
Inspector's department 7Q
Matron's report 7Q
Miscellaneous business 8Q
Personnel 9–17Q

Poor Department, 14 pages

Personnel 3–4
General statistics 6
Financial statement 7
Outside relief 8
Almshouse expenditures 9
Products of City Farm 10
Almshouse register 11
Reports of physicians 12–14

Sealer of Weights and Measures, 8 pages, folio letter S

Equipment 3–5S
Work performed 5S
Trial weighing 6S
Summary of inspection 7S
Recommendations 8S

School Department, 63 pages, folio letter T

For index see pages 62–63.

Industrial School, 34 Pages, folio letter U,

Personnel 4–8U
Calendar 9U
Enrollment 9U
Machine department 10–13U
Carpentry department 15–16U
Paper hanging department 16U
Power department 19–20U
Plumbing department 20U
Electrical department 23U
Homemaking department 27-29U
Evening schools 30U
Card of information 32U
Cost of school for 1916 ..... 33U
Check on absence, tardiness, etc 34U

Page

Street Department, 52 pages, folio letter V,

General statement of superintendent..... 3–5V
Table of proposed reorganization..... 6V
General statistics of city..... 7V
Appropriations and expenditures..... 8V
Highways and streets..... 10–11V
Streets laid out and accepted..... 12V
Streets widened, altered..... 13V
Dust suppression..... 14V
Stable and teaming account..... 15V
Highways and streets, financial statement..... 16V
Gutters..... 17V
Highway improvement..... 18V
Highway improvement account..... 20–23V
Stone Crushers..... 24V
Curbing..... 25–29V
New gutters..... 30V
Filling and grading..... 31V
Granolithic..... 32–37V
Bridges..... 40–41V
Forestry..... 44V
Sewers and drains..... 46–47V
Sewer construction account..... 50V
New catch basin account..... 52V

Water Board, 61 pages, folio letter W,

Personnel..... 2W
Financial..... 3W
Statutes..... 4–8W
Contracts..... 8–11W
Report of registrar..... 12–19W
Receipts..... 12–13W
Expenditures..... 13–14W
Expenditures from beginning of works..... 15–17W
Water debt..... 18–19W
Report of Superintendent..... 20–34W
Rainfall..... 21–22W
Water analyses..... 23–26W
Work in general..... 27–29W
Maintenance of meters..... 30W
Drinking fountains..... 31W
Consumption of water..... 32–34W
Tables of work..... 35–57W
Summary of statistics..... 58–61W

City Ordinances, 16 pages, folio letter X,

An Ordinance amending Sections 610, 623 and 624 of the Revised Ordinances, so as to Provide for the Licensing of Hawkers and Peddlers of Fish; and Fixing Certain Fees..... 2–3X

An Ordinance Providing for the Appointment of Surveyors of Lumber..... 4X

An Ordinance Amending Sections 28 and 30 of the Revised Ordinances of 1916..... 4X

Page

An Ordinance Relative to Receipts into the City Treasury..... 5X
An Ordinance Amending Section 652 of the Revised Ordinances of 1916, relative to "Jitneys"..... 6X
An Ordinance Prohibiting the Sale or Use of Fireworks..... 6X
An Ordinance Amending That Part of the Revised Ordinances of 1916, known as the Building Code 7–14X
An Ordinance Relative to the Erection, Construction, Alteration or Conversion to Use of a Building to be Used as a Garage..... 14–15X
An Ordinance Establishing a Board of Trustees for the Management of a Municipal Hospital 16X
An Ordinance Regulating Traffic in South Water Street between Potomska and Cove Streets.... 16X

Municipal Register

JUNE 1, 1917.

MAYOR.

HON. CHARLES S. ASHLEY, 93 State Street,
Salary $5,000.

ALDERMEN—Salary $100 each.

Ward One:—NAPOLEON RICARD.....128 Bowditch Street
Ward Two:—JAMES F. COLLINS.....27 Trinity Street
Ward Three:—ELZEAR H. CHOQUETTE.....8 Robeson Street
Ward Four:—CLIFTON W. BARTLETT....2 North Orchard Street
Ward Five:—CHARLES M. CARROLL.....8 Hawthorn Terrace
Ward Six: —THOMAS KIRKHAM.....835 Brock Avenue
Clerk:—W. H. B. REMINGTON.

COMMON COUNCILMEN.

Ward One.

EUGENE E. BARTHELEMY.....250 Tinkham Street
RODOLPHE J. CARRIER.....1220 Acushnet Avenue
JAMES M. HUGHES.....162 Nash Road
GEORGE D. LACROIX.....119 Tallman Street

Ward Two.

ALDEI CASAVANT.....341 Coggeshall Street
JEREMIAH COUGHLIN.....24 Penniman Street
JOHN H. HOLLIHAN.....79 Richmond Street
DANIEL J. SULLIVAN.....666 Cottage Street

Ward Three.

GEORGE T. DUCKWORTH.....137 Smith Street
WILLIAM H. LOUGHLIN.....60 Parker Street
FREDERICK C. LUCE.....128 Campbell Street
FRANK A. McNULTY.....131 Parker Street

Ward Four.

WILLIAM J. FRANCIS.....173 Rounds Street
EDWARD J. HARRINGTON.....327 Court Street
W. SEYMOUR LANGSHAW.....152 Cottage Street
LOUIS N. SCHULER.....198 Cottage Street

Ward Five.

ROBERT L. BAYLIES.....85 Bedford Street
HARRISON T. BORDEN.....154 Fair Street
JOHN McCULLOUGH, 3d.....38 South Sixth Street
FRANK WHITTAKER.....93 South Sixth Street

Ward Six.

WILLIAM BOND.....104 Butler Street
WILLIAM J. HARNISH.....15 Ruth Street
ABRAHAM MURGATROYD.....444 Brock Avenue
ODILON ROUSSEAU.....197 Rivet Street

President:—HARRISON T. BORDEN.

Clerk:—CHARLES P. SAWYER. Salary, $500.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Armories — Aldermen Ricard (ch.), Carroll; Councilmen Casavant, Hollihan and Duckworth.

Audit — Aldermen Kirkham (ch.) Collins; Councilmen Coughlin, McCullough and Whittaker.

Bath Houses — Aldermen Kirkham (ch.), Bartlett; Councilmen Carrier, Loughlin and Murgatroyd.

Building Code—Aldermen Collins (ch.) Ricard; Councilmen Lacroix, Barthelemy and Luce.

City Property — Aldermen Choquette (ch.), Collins; Councilmen Duckworth, Francis and Schuler.

Claims — Aldermen Carroll (ch.), Ricard; Councilmen Loughlin, McNulty and Harrington.

Finance—Alderman Choquette (ch.), Kirkham; Councilmen Carrier, Luce and Langshaw.

Fire Department — Aldermen Bartlett, (ch.), Carroll; Councilmen Hughs, Baylies and Bond.

Ordinances — Alderman Bartlett (ch.), Choquette; Councilmen Hollihan, Harrington and Murgatroyd.

Streets — Aldermen Carroll (ch.), Kirkham; Councilmen Casavant, McCullough and Harnish.

Street Lights — Aldermen Collins (ch.), Bartlett; Councilmen Sullivan, McNulty and Langshaw.

Wharves—Aldermen Ricard (ch.), Choquette; Councilmen Coughlin, Whittaker and Rousseau.

DEPARTMENTS.

City Clerk — WALTER H. B. REMINGTON, Salary $3,000, 219 Ash Street. **Assistant City Clerk** — JAMES DIGNAM. Salary $1,800, 289 Maple Street.

City Treasurer and Collector of Taxes — WILLIAM S. COOK, Salary $3,500. 48 Morgan Street.

City Auditor—CHARLES J. McGURK, Salary $2,500, 79 Rockland Street.

Clerk of Committees—CHARLES P. SAWYER, Salary $1,750. 133 Chancery Street.

City Solicitor—BENJAMIN B. BARNEY, Salary $3,000. 3 North Orchard Street.

City Engineer—GEORGE H. NYE, Salary $3,000. 23 Arnold Place.

Superintendent of Streets — CHARLES F. LAWTON, Salary $3,000, 405 Union Street.

Superintendent of Public Buildings and Inspector of Buildings— JOSEPH L. GIBBS, Salary $2,500. 569 Purchase Street.

Assistant Superintendent of Public Buildings — MARTIN H. SULLIVAN. Salary $1,500. 78 North Street.

Inspector of Wires — WILLIAM P. BRIGGS. Salary $1,500. 28 Priscilla Street.

OTHER OFFICIALS.

City Physician—Salary $800. SAMUEL K. SEGALL, M. D. Term expires April, 1918.

Sealer of Weights and Measures — JOHN HOBIN, 1285 Pleasant Street. Salary $1,200.

City Forester—CHARLES F. LAWTON, Superintendent of Streets, ex-officio. Salary $100.

Superintendent of Sewers — CHARLES F. LAWTON, Superintendent of Streets, ex-officio.

Harbor Master— CHARLES H. PURRINGTON. Salary $300.

City Wharfinger—HENRY F. WEST. 209 So. Second Street. Fees.

Inspector of Crude Petroleum—ORVILLE E. YOUNG. 246 Palmer Street. Fees.

Fence Viewers—STEPHEN H. BOND, 75 Carroll Street;
SAMUEL W. JENNINGS, 401 Pleasant Street;
THOMAS THORLEY, 467 Allen Street.

Caretaker of Graves of Soldiers and Sailors — HURLBURT E. THOMAS, 177 Shawmut Avenue, (Assistant Superintendent of Cemeteries.) No salary.

Registrar of Labor (Under Massachusetts Civil Service Commission) —WILLIAM J. CARTER, 409 Bolton Street. Salary $300.

Consulting Engineer, Intercepting Sewer — WILLIAM F. WILLIAMS, 34 Court Street. Salary $2,000.

Inspector of Milk, Provisions and Animals Intended for Slaughter—
—Dr. Herbert B. Hamilton, 79 Hillman Street. Salary $1,700.

BOARD OF HEALTH.

Salary $500 each.

LOUIS Z. NORMANDIN, M. D. — Term expires February, 1920
COOPER GAW, — Term expires February, 1918
JOSEPH R. GLENNON, — Term expires February, 1919

LOUIS Z. NORMANDIN, M. D., Chairman

Agent and Executive Officer — Salary $2,500.
WILLIAM G. KIRSCHBAUM

Clerk — Salary $1,200
SUSAN J. SMALL,

Assistant to Clerk — $16 per week.
EDNA E. WRIGHT,

Sanitary Inspectors, $23.80 eaoh per week.
THOMAS DAHONEY, JOHN E. GLENNON.
EDWARD RAYMOND.

Milk Collector and Interpreter, $18 per week
FREDERICK J. FRANCIS

Inspectors of Plumbing—Salary, $1,600 each.
LOUIS H. RICHARDSON, WILLIAM DEACON.

Medical Inspector—Salary, $1,600
A. N. SENESAC, M. D.

Oculists — Salary $1000 each.
FREDERICK L. CLARK, M.D. CHAS. M. ATCHISON, M.D.

Bacteriologist—Salary $1,000
A. H. MANDELL, M. D.

Quarantine Physician
JOSEPH A. FRASIER, M. D.

Public Vaccinators
L. K. DORAN, M. D. R. D. HEAP, M. D.

Nurse — $22.50 each per week.
SARA W. CHASE PHILOMENE E. VARGOS
HARRIET L. MURPHY

Nurse to Parochial Schools—$22.50 per week for 40 weeks.
CATHERINE W. LOWNEY

Medical School Inspectors—Salary, $400 each

DR. A. V. PIERCE — DR. J. F. WEEKS
DR. CHARLES SHANKS — DR. J. P. ST. GERMAIN
DR. W. A. NIELD — DR. J. C. ROSS
DR. E. P. SEAVER, JR. — DR. D. J. LOWNEY
DR. E. ST. J. JOHNSON — DR. WILLIAM ROSEN

Inspector of Milk, Provisions, Slaughtering, etc.—Salary, $1,700
H. B. HAMILTON, D. V. S.

ASSESSORS.

Salary $2,300 each

JOHN HANNIGAN, Chairman	Term expires 1918
JOSEPH H. HANDFORD, Secretary	Term expires 1919
JOHN H. FINNELL,	Term expires 1917

Assistant Assessors

Salary $4.00 per day when employed.

Ward 1—JOSEPH A. DIONNE and WILLIAM HALL
Ward 2—JAMES H. HOLDEN and HAROLD D. P. RYAN
Ward 3—ALBERT W. GOODWIN and WILLIAM F. SALTER
Ward 4—ROLAND A. LEONARD and EDWARD B GRAY
Ward 5—FREDERICK D. SOULE and JOHN C. NOYER
Ward 6—JOHN B. ROBERTS and WILLIAM P. MATTHEWS

OVERSEERS OF THE POOR

Salary, $300 each

KOPEL COHEN, Chairman

A. DENNIS PERREAULT,	Term expires May 1, 1920
KOPEL COHEN,	Term expires May 1, 1919
EDWARD DeMELLO,	Term expires May 1, 1918

Secretary and Almoner—Salary, $2,000
DOUGLAS L. McGEE

Visitor and Portuguese Interpreter—Salary, $1,456
ANTONE H. SENNA

Clerk and French Interpreter—Salary, $1,300.
JOSEPH A. DESJARDINS

Visitor — Salary $1,040
RAYMOND HALLIWELL

Stenographers

M. CATHERINE ROGERS — Salary $12 per week
ESTHER G. FRANCIS — Salary $10 per week

Superintendent of Almshouse, Salary $1,050
THOMAS F. BROWN

Matron of Almshouse—Salary $450
CATHERINE E. BROWN

Chaplain of Almshouse
REV. CHARLES S. THURBER

Physicians to the Board — Salary, $900 each.

Physician to the North District
ARTHUR L. BRUNELLE, M. D.

Physician to the Centre District
JOHN B. WEBSTER, M. D.

Physician to the South District
ANTHONY J. RODERICK, M. D.

Physician to Cove District — Almshouse
OVIDE T. CHARRON, M. D.

TRUSTEES FREE PUBLIC LIBRARY

Ex-Officio — Terms expire January 1917.

CHARLES S. ASHLEY.....Mayor of the City.
HARRISON T. BORDEN.....President of the Common Council.
CLIFTON W. BARTLETT.....President of the Board of Aldermen.

Elected by the City Council

FRANK A. MILLIKEN,	Term expires April, 1918
SAMUEL F. WINSPER,	Term expires April, 1918
CHARLES M. HOLMES,	Term expires April, 1919
FRANCIS M. KENNEDY,	Term expires April, 1919
ABBOT P. SMITH,	Term expires April, 1920
OTIS S. COOK,	Term expires April, 1920

President of the Board
THE MAYOR

Clerk
GEORGE H. TRIPP

COMMISSIONERS OF SINKING FUND

BENJAMIN A. TRIPP,	Term expires March, 1919
HENRY C. ROBINSON,	Term expires March, 1920
CHARLES S. KELLEY, JR.	Term expires March, 1918

WILLIAM S. COOK, Secretary and Treasurer—Salary $300

NEW BEDFORD WATER WORKS

New Bedford Water Board

CHARLES S. ASHLEY, Mayor, ex-officio, President

HARRISON T. BORDEN, President of Common Council, ex-officio

WILLIAM H. PITMAN,	Term expires June, 1918
FREDERIC H. TABER,	Term expires June, 1919
LETTICE R. WASHBURN,	Term expires June, 1917

Clerk
ROBERT C. P. COGGESHALL

Superintendent—Salary, $3,500
ROBERT C. P. COGGESHALL

Water Registrar—Salary, $1,800
CLIFFORD BAYLIES

BOARD OF PARK COMMISSIONERS

WILLIAM P. COVELL, Chairman

WILLIAM F. CASWELL,	Term expires 1st Monday in May, 1922
WILLIAM FERGUSON,	Term expires 1st Monday in May, 1918
WILLIAM P. COVELL,	Term expires 1st Monday in May, 1919
GEORGE H. HEDGE,	Term expires 1st Monday in May, 1920
JOSEPH BARNES,	Term expires 1st Monday in May, 1921

WILLIAM F. CASWELL, Secretary

General Superintendent—Salary, $2,000
THOMAS W. COOK

CEMETERY BOARD

WILLIAM M. HIGHAM, Chairman

WILLIAM M. HIGHAM,	Term expires May 1, 1918
JOHN G. NICHOLSON,	Term expires May 1, 1919
CHARLES H. VINAL,	Term expires May 1, 1920

CHARLES H. VINAL, Secretary

Assistant Superintendent of Cemeteries—Salary, $1,200
HURLBERT E. THOMAS

REGISTRARS OF VOTERS

Salary $400 each

CHANNING WILDE, (Dem.) Chairman,	Term expires May, 1917
WILLIAM J. GLASGOW, JR., (Dem.)	Term expires May, 1918
JOSEPH A. DESAULNIERS, (Rep.)	Term expires May, 1919

W. H. B. REMINGTON, (Rep.) Clerk, Salary, $400.

LICENSING BOARD

Salary, $500 each

RODOLPHUS A. SWAN, Chairman and Secretary

CHARLES H. SIMMONS,	Term expires 1918
MINER W. WILCOX,	Term expires 1920
RODOLPHUS A. SWAN,	Term expires 1922.

FIRE DEPARTMENT

Board of Fire Engineers

EDWARD F. DAHILL, - - . - Chief Engineer
Term expires April, 1918. Salary, $2,750.
JAMES J. DONAGHY, - First Assistant Engineer
Elected yearly in April, 1916. Salary, $1,750.
FRANK R. PEASE - - Second Assistant Engineer
Elected yearly in April. Salary, $1,750.
JOHN W. DONAGHY - Third Assistant Engineer
Elected yearly in April. Salary, $1,750.

JOSEPH P. KENNEDY—Clerk of Board. Salary, $500.

THE NEW BEDFORD PROTECTING SOCIETY.

1916—1917

PRESIDENT:
CHAS. S. KELLEY, JR.

DIRECTORS.

HENRY S. HUTCHINSON	F. OSCAR COVILL
THOMAS B. AKIN	F. P. R. PATTERSON
CHAS. S. BAYLIES	JOSEPH F. CORNWELL
EDWARD B. ROBBINS	ERNEST H. BOUCHER

SECRETARY AND TREASURER:
CHESTER P. REXFORD

Allen, Geo. H. H.
Webber, James A.
Swift, Horace W.
Blair, John K.
Dawe, William C.
Bonneau, F. A.
Bourne, Williams S.
Brightman, Harry C.
Brooks, Arthur T.
Coe, I. H., Jr.
Coggeshall, R. C. P.
Brooks, Andrew J.
Williams, Thos. W.
Delano, Arthur D.
Read, W. Kempton
Francis, James P.
Gifford, Frank H.
Gifford, Thos. J.
Chase, Chester W.
McDonald, Henry J.
Howard, Henry, Jr.
Budlong, James E.
Humphrey, Jas. L., Jr.
Taber, George C.
Knowles, Henry S.
Macy, Frederick B.
Macy, George I.
Macy, J. Roland
Shaw, John C.
Manchester, P. F.
Mendelson, Hyman
Tuell, Clifton P.
Watson, Edwin M.
Makin, Henry J.
Parker, David L.
Perry, Samuel H.
Pitman, William H.
Porier, Aime J.
Potter, William F.
Oesting, Edward A.
Olivier, Geo. L.
Oman, Charles E.
Smith, Nat. C.
Richardson, Louis H.
Francis, Arthur S.
Phillips, William C.
Robinson, Wm. A., Jr.
Butler, Morgan
Sharples, Charles S.
Sharples, Arthur
Smith, Alex. T.
Dunham, Otis M.
Sullivan, D. J.
Sears, Louis A.
Taber, Frederic H.
Taylor, Wm. T.
Whittemore, Harry E.
Wagner, Isaiah C.
Wood, Horace
Burke, Harry
Russell, Charles A.
Allen, Lesley B.
Bliven, George F.
Carpenter, Orrin B.
Parker, Ward M.
Dahill, Edward F. Jr.

POLICE DEPARTMENT.

Chief
Salary, $2,500
THOMAS J. TAFT

Deputy Chief
Salary, $2,000
JOHN C. PARKER

Captains
Salary, $1,650 each
DANIEL DENEEN FRANK W. SYLVIA
HARRY D. STOW

Chief Inspector
Salary $1,500
WALTER ALMOND

Inspectors
$4.00 per day each.
GEORGE R. LAWRENCE ALBERT E. MOSHER
CHARLES F. SMITH

Lieutenants
$4.00 per day each

NARCISSE A. BREAULT	JEREMIAH McCARTHY
EDWARD P. DOHERTY	SAMUEL D. McLEOD
THOMAS FAY	WILLIAM E. ROSCOE
WILLIAM FOWLER	WILLIS C. UNDERWOOD
CHARLES L. McBAY	JOSEPH B. WING

Sergeants
$3.75 per day each.

HARRY C. ELLIS	JAMES W. SAVAGE
EDMUND FOLEY	GEORGE A. SHERMAN
AROD B. HOLLOWAY	DANIEL P. SWEENEY
JAMES J. MOORE	CHESTER L. TRIPP
FRANK L. REMINGTON	WILLIAM WELSH

Inspector of Minor Licenses
$3.40 per day.
JOSEPH S. MANNING

Police Matron
Salary $2.25 per day
SARAH M. BROWNELL

Keeper of the Lockup
Salary, $100 per year
THOMAS J. TAFT

Stenographer
P. BERT TAYLOR

PATROLMEN

Salary: 1st year $3.00 per day.
2d year $3.00 per day.
3d year $3.40 per day.

Ashley Henry T.
Astley, Maurice
Aillery, Constant
Allen, Charles E.
Almond, William, Jr.
Barbour, Robert L.
Bedford, Ellverado
Berry, James W.
Boehler, Max F.
Bolton, James E.
Bourgeois, Albibi
Breault, Joseph A.
Brennan, Michael J.
Briggs, Myron S. A.
Brightman, Ellery E.
Brophy, Edward O.
Burgess, Edward
Butts, Henry
Cash, James
Caswell, Charles A.
Chase, Raymond
Chausse, Onat A.
Cleary, William E.
Cole, William T.
Craft, James F.
Crapo, Albert A.
Cushing, William S.
Daley, Charles F.
Davies, John W.
Deane, James
Degrasse, Charles H.
Doherty, Thomas
Downey, Daniel
Downey, John B.
Downey, William M.
Dupuis, Patrick H.
Dupuis, Wilfred H.
Durant, Lawrence J.
Earley, Edward C.
Evans, John
Fanning, John F.
Faunce, Albert M.
Fay, John H.
Fell, Charles
Fernandes, Joseph A.
Francis, Antone
Freitas, Manuel
Fowler, Harry
Gatenby, James S.
Gibbs, Nathaniel F.
Glennon, William F.
Gobiel, Joseph
Gorner, Arthur
Grant, George P.
Gregory, William
Hafford, Stephen, Jr.
Haggerty, Timothy F.
Hammersley, Raymond
Haran, John F.
Haran, Luke T.
Harding, James P.
Harrington, Daniel
Hayden, Abram L.
Hawes, Harry C.
Head, Edgar E.
Hickey, James M.
Hickey, William B.
Horton, Eliphalet H.
Howland, William A. E.
Howes, Charles M.
Hynes, Edward A.
Irwin, Henry, Jr.
Ivey, James A.
Jacobs, Ellsworth C.
Jenkins, Thomas J.
Johnson, Harry
Kane, John A.
Karcher, Frederick, Jr.
Kelley, Michael J.
Kinney, John R.
Kinney, William E.
Leahy, William T.
Lemaire, Anthony C.
Lentz, Joseph A.
Lowther, George H.
McFarlane, Joseph A.
McKinstry, Albert B.
Marder, James
Maynard, John
McCarty, William H.
McCrohan, John H.
McDonald, Daniel J.
McEnnis, Robert B.
McGoff, James E.
McKay, John T.
Miller, John J.
Mitchell, William
Mott, Cassius B.
Mullins, Enoch

Murphy, Edward
Murphy, Francis A.
Murphy, Lawrence
Muldoon, Thomas
Nault, Joseph
Nelson, Ivar V.
O'Rourke, John J.
O'Rourke, Thomas
Oliver, John F.
Phinney, Charles E.
Perry, Anthony E.
Pieraccini, Raphael
Poirer, David J.
Pollock, John H.
Prifogle, Edward
Reddy, Michael J.
Reedy, Joseph C.
Rooks, Albert H.
Rooks, John C.
Sanders, Joseph A.
Searell, William E.
Seddon, Thomas
Souza, William H.
Spooner, Charles A.
Spooner, John C.
Stanley, Charles A.
Staples, Walter C.
Sullivan, John T.
Sullivan, James H.
Sullivan, Mathew
Sundin, Carl A.
Sylvia, Antone F.
Taber, Jeremiah M.
Touchette, Hermes
Valentine, Thomas A
Velho, Augustine F.
Walsh, John P.
Walsh, William P.
White, Albert B.
Winterson, Henry B.
Wilcox, Seth A.
Wilson, George A.
Williams, Benjamin F., Jr.
Williams, Charles H.
Woolfenden, Albert

EMERGENCY OFFICERS:

Salary $3.40 per day.

Place, Joseph A. Vogel, Robert F.

WAGONMEN:

Murdy, Robert H. Paige, George W.
Nickerson, Charles F.

CHAUFFEURS

Dalbec, Edmond Patterson, Charles G.
Meade, James Ryan, William M.
Turgeon, Joseph V.

HOUSEKEEPERS:

Salary $2.90 per day.

Dodds, James Sullivan, Timothy
Kenney, Patrick Wilson, Thomas H.
Meehan, Daniel

PENSIONED:

Cannavan, Patrick Kennedy, Patrick
Clough, George V. Mason, Henry W.
Comstock, Thomas W. Smith, Andrew J.
Wixon, James A.

JANITORS:

Allen, Charles G. Drew, Moses C.

LABORER:

Atwood, William W.

RESERVE POLICE:

Benoit, William R.
Burke, John E.
Blackburn, Hargreaves
Carroll, Eudore
Carroll, James M.
Chenel, Albert J.
Coombs, Isaac C.
Downey, Stephen P.
Fay, Miles L.
French, Robert E.
Gero, Henry R.
Hutchinson, George R.
Kelley, Thomas E.
Lague, A. Ernest
Landreville, Joseph E. A.
Lemrise, Albert T.
Machado, Manuel
Manning, James L.
McDonnell, James
McDonald, William F.
McNamee, John J.
Messier, Joseph A.
Murphy, William S. P.
Nunes, George J.
Parkinson, John
Schneider, Raoul O.
Schultz, Gabriel
Smith, John P. Jr.
St. Pierre, Joseph E.
Sumner, Thomas A.
Sylvia, Archie A.
Turgeon, Francois X.
Vincent, Charles H.
Wooley, Thomas

SPECIAL POLICE OFFICERS:

Adam, Alfred
Adams, Andrew John
Adams, John
Affonce, Anthony
Ainsworth, Christopher T.
Allen, George W., Jr.
Allen, John
Almond, Milton M.
Alton, William E.
Alves, Peter B.
Ames, Howard M.
Anctil, George A.
Andrews, William Francis
Angell, George E.
Anthony, George
Arendt, Walter
Arsenault, Pierre A.
Atkinson, Herbert
Avila, Joseph P.
Bancroft, Samuel
Bannon, James S.
Barbosa, Angelo M.
Barker, William J.
Barney, Herbert H.
Bates, Arthur A.
Belliveau, Vital
Bernier, John
Bliven, Robert A.
Bloomer, William
Bochmann, Albinn E.
Boisclair, Wilfred
Bond, Adam
Bonnoyer, Pierre
Booth, John
Booth, William H.
Borden, George B.
Borden, Weston Jenney
Bourne, George W.
Bourne, Marshall O.
Bowen, Cornelius
Bowen, David P.
Boyle, Thomas
Braley, Charles H.
Braman, George C.
Breault, Henry
Bressette, George H.
Brodeur, Paul J.
Bunney, Joseph
Burke, Aaron S.
Burke, Charles
Burke, Harry
Burke, Robert
Burt, Clarence E.
Butler, George M.
Caneca, Manuel F.
Cantwell, John T.
Carlson, Erik August
Carpenter, William E. C.
Carrier, Adelard J.
Carrier, Archille
Carrier, Octave
Carreiro, John J.
Carter, William J.
Cathcart, Charles E.
Catlow, John William
Catterall, Robert H.
Chamberlain, James F.
Chambers, Jacob

Champion, John M.
Chandonet, Fred
Charpentier, Edward
Charroux, Treffle
Chase, Earl D.
Clarke, William
Clitheroe, Thomas
Collins, George E.
Collins, Thomas
Conroy, Michael
Cooper, Albert
Cooper, Joseph Scholes
Cormier, Thomas C.
Cornell, Edmund M.
Correia, Theophilus
Costa, Raymond J.
Cote, Hormidas
Contu, Albert
Cowen, James L.
Crocker, Evan S.
Crowley, Timothy
Crowther, William
Cunningham, James F.
Cunningham, John W.
Curylo, Stanislaw
Dalton, James
Damos, Alphonse J.
Davis, Charles
Davis, John A.
Davis, William T.
Davoll, James Edward
De Beech, John
De Costa, William
Dehoney, John
Demars, Arthur, Jr.
Demarais, William A.
Desroches, Louis
Dextradeur, Joseph
Donahue, William J.
Dube, William
Dubois, Victor
Duffy, John E.
Duffy, John H.
Dupont, Ernest
Dutra, Joseph
Dyson, Henry F.
Earnshaw, Walter
Egan, John
Ellis, William B.
Enos, Francis
Enos, Marceline
Farren, Roger
Fernandes, Antone
Fernandes, Joseph H.
Field, Edward H.
Fitzgerald, John
Fitzgerald, Patrick J.
Flanagan, John
Ford, James
Fortin, Fred
Foster, John
Foster, William
Fournier, Aldei
Francis, William H.
Franklin, William Hartley
Frasier, John E.
Fulhan, John F.
Furtado, Antone S.
Furtado, Joseph R., Jr.
Furtado, Manuel J.
Galipeau, Henri L.
Gardner, Henry
Gartside, James
Gauthier, Levi
Geary, Albert V.
Gendron, George D.
Gendron, Joseph A.
Gifford, John F.
Gomes, Michael R.
Goodwin, Albert
Grace, Manuel J.
Gray, Shirley H.
Greene, Marshall S.
Green, Thomas
Gregoire, Henry C.
Gregoire, Philias
Gregory, James
Guillet, Ernest B.
Hall, Andrew Martin
Hankerson, James
Hanson, Joseph P.
Harding, William Joseph
Hargreaves, Thomas
Harrington, Leo C.
Harris, Frank W.
Hart, Carlton
Hart, Peter F.
Hart, Thomas J.
Hartley, Albert
Haworth, Albert
Haworth, Milton R.
Hathaway, John T.
Hawes, Walter Herbert
Hayden, William H.
Hayes, Austin J.
Healy, William
Heath, George R.
Hebert, Eugene D.
Henner, Noe
Heron, James T.
Hindle, William T.

Hodgin, William
Hodson, Edward
Holden, John
Holmans, Thomas C.
Howland, George W.
Howland, William P.
Irwin, James
Jacob, Louis
Janak, Jeronim J.
Janak, Joseph W.
Joseph, Ira S.
Kane, Lester A.
Kay, James C.
Kay, John Fielding, Jr.
Keleher, Thomas W.
Kennedy, Augustus M.
Kennedy, William
Kenyon, Arthur
Kenyon, Benjamin
Kershaw, Squire
Lafrance, Philip
Lafrenais, Alphonse
Lague, Dolor D.
Lapierre, William A.
Lawrence, Edward I.
Lawrence, Peter J.
Leary, William
Leboeuf, Henry Louis
Lees, Walter
Legard, Charles N.
Lemaire, Henry
Lemery, Arcade
Lemonde, Arthur
Leonard, Andrew
Lerch, Julius E.
Letendre, Noah A.
Litturno, Fred
Lucas, Norman L.
Lyons, John M.
MacPhail, John D.
Maguire, Edward J.
Maher, Joseph
Major, Trefle
Maley, Thomas J.
Manning, Timothy
Margerison, James
Marshall, Thomas R.
Masse, Hormidos
Masson, Charles
Maxcy, William F.
Maynard, John M.
McAuliffe, Dennis J.
McAvoy, John J.
McCann, Frank
McCann, James L.
McCann, John
McCarthy, Daniel J.
McDonnell, Francis
McEleny, Edward H.
McGinnis, John James
McKay, John
McLeod, Alton
McLeod, Andrew Ferguson
McQuade, John B.
Medeiros, John M.
Meredith, Joseph
Messier, Ernest
Miller, Archie R.
Millette, Frank J.
Milroy, Fred W.
Mills, Adam
Moorhouse, Darnley
Morgan, Charles W.
Morissette, Charles G.
Morrill, Arthur E.
Morrison, Thomas
Moss, George, Jr.
Murphy, Frank E.
Murphy, John H.
Navarre, James
Naegele, August, Jr.
Nelson, Edward H.
Nelson, Samuel J.
Nelson, William
Newton, James William
Nolan, Ovidas
Norton, Charles H.
Norton, Joseph
O'Grady, Stephen
O'Malley, William Joseph
O'Neil, James
O'Rourke, James M.
Ouimette, Alexander
Outlaw, Walter C.
Patnaude, J. Henry
Paul, Enos C., Jr.
Pell, Walter D.
Pelletier, Louis
Peltier, Joseph P.
Perry, Frank J.
Perry, George
Perry, George E.
Perry, Manuel
Phillips, Henry T.
Pidgeon, Joseph A.
Pierce, Austin C.
Pierce, Jason F.
Pike, Nelson L.
Platt, John
Platt, John

Poisson, Napoleon
Potter, Alberto L.
Potter, James L.
Poutree, Charles H.
Pollock, Frederick O.
Pykosz, Walter
Quinn, Michael
Ratchford, Michael
Rawson, Joseph I.
Reddy, Patrick J.
Reed, George A.
Reeves, Franklyn Y.
Reid, Robert
Reynolds, Charles H.
Richardson, Roy R.
Richer, Rudolph
Rideout, William
Ridings, Thomas H.
Riley, Robert H.
Robinson, Joseph
Rodrick, William M.
Rollins, Claudio J.
Ross, Charles
Rothwell, George
Rothwell, Harry A.
Rousseau, Arsene
Roy, Napoleon
Roy, Romuald Joseph
Roylance, John
Ruddy, Martin J.
Russell, Arthur L.
Sadler, Ernest E.
Sargent, William A.
Seddon, David
Seddon, Edward
Sharps, Joseph I.
Sheard, Thomas
Sheehan, Frank William
Sheffield, John P.
Sherman, John D.
Shuttleworth, John
Simmons, John F.
Slater, Rothwell
Smith, George W.
Soares, Charles S.
Soares, Seraphim P.
Sougnez, Eugene Walter
Souza, Edward F.
Souza, Manuel L.
Spooner, Clifton W.
Stankiewicz, Jozef
Stark, John Herbert
Stephens, Henry
Stephens, Leroy A.
Stones, Henry
Studley, Ephraim L.
Stringer, Harry
Surprenant, Domina
Sutton, Herbert W.
Swansey, George E.
Sylvia, Frank M.
Sylvia, George
Sylvia, John Antone
Sylvia, John L.
Sylvia, Joseph P., Jr.
Sylvia, Manuel E.
Tallman, Edward S.
Taylor, James Edwin
Tessier, Alfred
Tetrault, George
Thayer, Claude L.
Theberge, John
Thibault, Fred
Thomas, Joseph S.
Thompson, George L.
Thompson, James A.
Tichon, Leo H.
Tighe, James H., Jr.
Tilton, Wallace C.
Townley, John D.
Trask, Robert M.
Tripp, Clarence L.
Tripp, Oscar
Trotter, Michael
Turner, John William
Valley, John A.
Valois, Henry
Vandal, Oscar A.
Vargas, Frank
Vertefeuille, Oliver, Jr.
Wagstaff, Mark
Wallace, Alexander D.
Walton, Thomas E.
Waters, Michael James
Waterworth, James
Webb, Cornelius A.
Wehoskey, Everett A.
Wells, Eugene F.
Wiggins, Walter T.
Williams, Frank
Wood, James
Woolley, James
Woolley, William
Wright, George
Wright, Nathan E.
Wyse, Nathan

CONSTABLES:

The Members of the Police Force and

Barnum, James E.
Benoit, Alfred F.
Black, Jacob
Bryant, John H.
Damon, Clarence L.
Dean, John H.
Doane, Robert N. B.
Doyle, Francis A.
Edgerton, William J.
Foster, William E.
Francis, Frederick J.
Galligan, Patrick J.
Gaucher, Elphege
Greene, Anthony F.
Hall, William Patrick
Jackson, Herbert M.
Luce, John E.
Lynch, John W.
Mellody, Anthony J.
Murphy, John
Noyer, John C.
Parkinson, James
Patnaude, Joseph C.
Picanco, Joao
Poirier, Thomas M.
Reynolds, Charles H.
Scioleno, Gaetano
Seaman, Geo. F. H.
Shuster, Hyman
Sweeney, William J.
Sweet, Isaac H.
Sylvia, Antone A.
Sylvia, Thomas A.
Sylvia, Wm. K.
Sylvieira, Manuel J., Jr.
Vieira, John C.
Wilcox, Otis N.
Zygiel, John D.

PUBLIC WEIGHERS

Andrews, Manuel A.
Andrews, William
Ashcroft, John
Atkinson, Walter W.
Audette, Edeas
Axelson, Emanuel
Baldwin, John
Balthazar, Wm. H.
Bardsley, Edwin, Jr.
Bariteau, Joseph L.
Barrows, Allan
Bassett, Elton K.
Bassett, Thomas E.
Bates, Lonnie D.
Beaulieu, Philip
Belanger, Lucien
Bennett, Francis F.
Bessette, William
Bettencourt, Joseph
Blakeley, Albert
Blossom, Alonzo C.
Bonille, Alfred F.
Bottomley, William
Borden, Louis F.
Borden, Carlton
Bradford, Edgar A.
Braley, Chas. H.
Brauner, Joseph A.
Brierly, William J.
Brennan, Paul J.
Briggs, Arthur S.
Briggs, Peter J.
Brosseau, Oscar
Brownson, George L.
Buckley, Ben.
Burke, Raymond
Brunette, Joe
Butler, Clarence H.
Butler, Geo. H.
Butts, Walter C.
Cabiel, Manuel
Card, Albert W.
Carpenter, Clayton W.
Carter, John J.
Chase, Nathan P.
Christie, Joseph E.
Clarke, Thomas J.
Coe, Walter L.
Coe, William A.
Coholan, John L.
Comeau, John
Comey, Charles M.
Connolly, Joseph D.
Connor, Dennis
Connors, James
Conway, John
Cooper, Joseph
Costa, Manuel
Covell, Anthony
Coxen, Harold M.
Coyle, Joseph S.
Cunningham, James

Curtis, Daniel J.
Cushing, Joseph B.
Crawford, Samuel G .
Crossley, Frank
Davignon, Norbert T.
Davis, Wm. T.
Day, Thomas E.
Deane, Albert E.
Deane, Lendell
DeCosta, William A.
Devoll, Roland G.
Dextradeur, Victor
Dinmacks, Leondis
Dion, Alphonse J.
Donley, William
Dowd, Edward F.
Downey, Maurice
Duckworth, Alexander
Duerden, Arthur
Duff, John, Jr.
Duff, Mark M.
Duffy, Alice
Duffy, John E.
Dupre, Joseph
Earnshaw, John
Eastham, George
Eldredge, Wendell T.
Ellis, Harold C.
Ellis, Harry R.
Faisneau, Harold P.
Feldgen, Frank H.
Feenan, Henry Allen
Findley, Thomas S.
Foley, Edward F.
Forbes, Joseph C.
Foy, John
Francis, Joseph
Francis, William H.
Franklin, William A.
Frates, Joseph
Frechette, Edward
Frichette, Arthur
Furtado, Manuel J.
Furtado, Manuel, Jr.
Gallagher, William
Gannon, John
Gargan, John
Gatie, Joseph B.
Gatonski, Peter
Gaughan, Patrick
Gautreau, Fred
Geddis , William J.
Gibbs, William L.
Gifford, Wm. F.
Gile, John F.
Gilmore, James
Girard, Fred
Girouard, Clement
Girvan, Douglass J.
Gobeil, John J.
Goddard, James
Goldthwait, B. D.
Gomes, Michael R.
Gooding, Homer B.
Gooding, Clinton S.
Grady, Patrick
Gray, Charles A., Jr.
Gray, Robert
Gray, William
Greenhalgh, James
Greenwood, Stanley H.
Grover, Albert
Hatton, John C.
Hanrahan, Charles E.
Harbaugh, John P.
Harney, John I.
Harrison, John
Hart, Robert J.
Harwood, William S.
Hayden, Edward D.
Heyliger, Robert
Higgins, Daniel F.
Hilton, Samuel J.
Hodkinson, Wm.
Holland, Charles
Holmes, William A.
Hutchings, Walter C.
Inne, Louis
Irwin, James
Jarry, Archie
Jemphrey, Robert
Jenny, Julia
Jennings, George L.
Jennings, Ralph A.
Johnson, Henry F.
Johnson, Robert J.
Kay, James C.
Keane, Paul F.
Kennedy, Charles F.
Kenney, James E.
Kinney, E. D.
King, Joseph F.
Langlois, Leo
Lareau, Theodore
Larocque, Wilfred
Lavoie, Albert
Lawrence, Charles L.
Lawrence, Herbert F.
Lawton, Oscar
Leferre, Louis
Lemaire, Joseph P.
Letourneau, Napoleon S.

Lincoln, Frank N.
Lindsey, Robert
Linnehan, Peter
Littler, Harry
Livingston, Archie
Lopez, Joseph
Lord, Thomas
Lowe, Moses
Lowe, Stephen A.
Lyon, John
Macia, William H.
Macomber, James S.
Macy, Andrew W.
Macy, Frank H.
Manna, Joseph
Marland, William
Marshall, Manuel C.
Martel, Robert A.
Mather, Albert H.
Matley, William
Maye, Jas. H. J.
Maynard, John
McAuliffe, D. J.
McCarty, Mortimer
McGinnes, J. J.
McGregor, John A.
McKiernan, Jas. F.
McKiernan, Arthur
Medeiros, Joseph
Mellor, Leonard H.
Menard, A. J.
Midgley, William H.
Miller, James
Miller, John C.
Mitchell, John J.
Moores, Joseph
Morgan, Wm. G.
Morse, E. C.
Mosher, Fred P.
Mullen, Joseph F.
Neagus, John P.
Nelson, William L.
Nicholson, Thomas
Oates, John F.
O'Brien, Agnes F.
O'Brien, F. Thomas
O'Brien, William
Parker, Thomas
Paul, George H. A.
Pease, Bryden
Peckham, William E.
Pedro, William
Perry, John
Phinney, Geo. H.
Pierce, Nathaniel E.
Piver, Joseph
Pontbriand, Oscar
Poole, John E.
Potter, Alberto L.
Potter, Edwin L.
Poutre, Geo. W.
Prescott, Albert N.
Putnam, Arthur C.
Quigley, Thomas
Rawstron, John T.
Raymond, Thomas A.
Reynolds, William
Rezendes, Frank F.
Richard, Calixte
Richard, Clement
Richardson, Clifford G.
Riley, Thomas
Roberts, Leonard
Robinson, Frank J.
Rodgers, Frank
Rodman, Frank P.
Rose, Frank
Rose, Manuel
Ross, Samuel
Rourke, Alice F.
Roy, Albert J.
Roy, John V.
Roy, Joseph R.
Roy, Romuald J.
Russell, J. B.
Russell, Joseph A.
Russell, Pardon
Ryan, Ambrose J.
Ryan, Harold D. P.
Ryder, Frank
Ryder, Leon G.
Ryder, Thomas
Sadler, Wm. T.
Sami, Alfred
Santos, Frank
Satt, James
Sayles, Harry D.
Sayles, Joseph A.
Schilansky, Wm. R.
Sevigny, Emile
Shaw, Chauncey. L.
Sheppard, Alex
Silva, Antone S.
Simmons, Carlton P.
Simpkins, John T.
Sisson, Minerva M.
Smith, Carlton W.
Smythe, Fred R.
Soares, Manuel
Souland, Arthur
Southworth, Samuel
Spooner, Ralph

Spencer, Walter G.
Staples, Willard F.
Stephenson, Daniel C.
Stevenson, Thomas
Steward, Robert H.
Stanley, William
St. Germain, Sidney
Sullivan, Michael F.
Sullivan, Peter F.
Sullivan, William H.
Sullivan, Wm. S.
Sumner, Samuel
Swallow, Samuel
Sylvia, Manuel
Sylvia, William M.
Taylor, George,
Taylor, Samuel
Thibault, Ludger J.
Thompson, Arthur
Thomson, William
Tighe, James
Toolis, Edward
Tremblay, Leo N.
Tripp, Desmond W.
Tripp, Jabez D.
Tripp, Warren A.
Trudelle, George W.
Vieira, John R.
Wade, Bernard C.
Waine, George
Ward, Elias
Weeks, John L.
Whelan, Andrew J.
Wells, Edward
White, Gertrude L.
Whitehead, Albert
Whittaker, James M.
Whittle, John C.
Wilbor, Walter C.
Wilding, George
Wilkin, August C.
Wilkinson, Leonard
Winn, Thomas P.
Winsper, Thos. A.
Winterbottom, Edward
Wood, Joseph
Wooler, Elsie G.
Worden, John
Wright, William C.
Young, Orville E.
Young, Charles

WEIGHERS OF COAL.

Ashcroft, John
Atkinson, Walter W.
Balthazar, William H.
Bariteau, Joseph L.
Bates, Lonnie D.
Booth, Chas. H. W.
Bowman, Frederic C.
Braley, Chas. H.
Brennan, Paul J.
Briggs, Arthur S.
Brosseau, Oscar
Brownson, George L.
Butts, James D.
Card, Albert W.
Carpenter, Clayton
Christie, Joseph
Clark, Thomas J.
Coe, William A.
Coholan, John L.
Comey, Charles M.
Conner, Dennis
Conway, John
Cushing, Joseph B.
Day, Thomas E.
DeCosta, William A.
Deane, Albert E.
Dowd, Edward F.
Duff, John Jr.
Duff, Mark M.
Forbes, Joseph C.
Francis, William H.
Gile, John F.
Goddard, James R.
Gooding, Clinton S.
Gooding, Homer B.
Gray, Charles A., Jr.
Greenwood, Stanley H.
Harbaugh, John P.
Hilton, Samuel J.
Homes, Wm. A.
Hutchings, Walter C.
Jennings, Ralph A.
Keane, Paul F.
Langlois, Leo
Letourneau, Napoleon S.
Lindsey, Robert
Lowe, Stephen A.
Marland, William
Martel, Robert A.
McAuliffe, Daniel J.
McGinnes, John T.
Midgley, Wm. H.
Moores, Joseph
Oates, John

O'Brien, Agnes F.
Phinney, George H.
Pontbriand, Oscar
Poutre, George W.
Raymond, Thomas A.
Roberts, Leonard
Rodman, Frank P.
Rogers, Henry V.
Rourke, Alice F.
Roy, John V.
Ryan, Ambrose J.
Ryder, Leon G.
Sevigny, Emile
Sisson, Minerva M.
Smith, Carlton W.
Spencer, Walter G.
Stevenson, Thomas
Sullivan, Peter F.
Tripp, Jabez D.
Tripp, Warren A.
Ward, Elias
Weeks, John L.
Wells, Edward
Whittaker, James M.
Wilding, George
Young, Orville E.

WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Ashcroft, John
Atkinson, Walter W.
Bariteau, Joseph L.
Booth, Chas. H. W .
Braley, Chas. H.
Brennan, Paul J.
Briggs, Arthur S.
Brosseau, Oscar
Brownson, George L.
Butts, James D.
Card, Albert W.
Carpenter, Clayton W.
Christie, Joseph
Clarke, Thomas J.
Coe, William A.
Coholan, John L.
Comey, Charles M.
Connor, Dennis
Conway, John J.
Cushing, Joseph B.
Day, Thomas E.
Deane, Albert E.
DeCosta, William A.
Dowd, Edward F.
Duff, John, Jr.
Duff, Mark M.
Forbes, Joseph C.
Francis, William H.
Gile, John F.
Goddard, James R.
Gooding, Clinton S.
Gooding, Homer B.
Gray, Charles A., Jr.
Harbaugh, John P.
Hilton, Samuel J.
Hutchings, Walter C.
Jennings, Ralph A.
Keane, Paul F.
Letourneau, Napoleon S.
Lindsey, Robert
Lowe, Stephen A.
Martel, Robert A.
Maynard, John
Midgley, Wm. H.
Moores, Joseph
Oates, John
O'Brien, Agnes F.
Phinney, George H.
Pontbriand, Oscar
Poutre, George W.
Reynolds, William
Roberts, Leonard
Rodman, Frank P.
Rogers, Henry V.
Rourke, Alice F.
Roy, John V.
Russell, Pardon
Ryan, Ambrose J.
Ryder, Leon G.
Sevigny, Emile
Sisson, Minerva M.
Smith, Carlton W.
Spencer, Walter G.
Stephenson, Thomas
Sullivan, Peter F.
Tripp, Jabez D.
Tripp, Warren A.
Ward, Elias
Weeks, John L.
Wells, Edward
Whittaker, James M.
Wilding, George
Young, Orville E.

SURVEYORS OF LUMBER.

Beetle, John H.
Bowles, Henry H.
Croacher, Thomas
Dunham, Curtis
Gray, Charles A., Jr.
Spooner, Daniel A.
Desmond, William F.

MEASURER OF GRAIN.

Rodman, Frank P.

MEASURERS OF WOOD AND BARK.

Cobb, George S.
Hathaway, Edward S.
Howe, Benjamin F.
Rodman, Frank P.
Stephenson, Thomas J.

ELECTION OFFICERS

Term of Office Expires Sept. 15, 1917.

WARD 1, PRECINCT 1.

1	Warden,	OTIS A. SISSON,	R	3913 Acushnet Ave.
2	Clerk,	JOHN W. SPENCER,	D	400 Tarkiln Hill rd.
2	Inspector,	GEORGE S. COBB,	R	30 Hersom St.
4	"	HECTOR C. TOUPIN,	D	2155 Acushnet Ave.
5	"	DANIEL A. SPOONER,	R	3247 Acushnet Ave.
6	"	ADEMAR A.NORMANDIN,	D	247 Bowditch St.

Deputies

1	Warden,	WILLIAM F. ANDREWS,	R	126 Tarkiln Hill Rd.
2	Clerk,	WILLIAM H. MACIA	D	427 Tarkiln Hill Rd.
3	Inspector,	WESTON J. BORDEN,	R	2082 Acushnet Ave.
4	"	ANDREW MORAN,	D	16 Felton St.
5	"	FRIDOLIN SENFT,	R	1547 Acushnet Ave.
6	"	JOSEPH CARR,	D	1547 Acushnet Ave.

WARD 1, PRECINCT 2.

1	Warden,	LEROY S. STURGIS,	R	2115 Acushnet Ave.
2	Clerk,	ERNEST A. DUNHAM,	D	1430 Acushnet Ave.
3	Inspector,	FRANK E. SISSON,	R	2143 Acushnet Ave.
4	"	JOHN PILKINGTON,	D	116 Hathaway St.
5	"	FRANK O. COVILL,	R	1848 Acushnet Ave.
6	"	JARVIS COUNSELL, JR.,	D	251 Bowditch St.

Deputies

1	Warden,	ALB'T SCHELLENBERG	R	199 Davis St.
2	Clerk,	JOHN WALSH,	D	61 Covill St.
3	Inspector,	HERCULES GUILLETTE	R	132 Nye St.
4	"	WILLIAM E. MURRAY,	D	203 Tinkham St.
5	"	THOMAS WAINE,	R	281 Davis St.
6	"	WALTER LETHBRIDGE,	D	296 Davis St.

WARD 1, PRECINCT 3.

1	Warden,	JOSEPH Z. BOUCHER,	R	253 Collette St.
2	Clerk,	CHARLES K. LEWIN,	D	41 Wood St.
3	Inspector,	JOHN A. WOOLEY,	R	335 Bowditch St.
4	"	PIERRE MANDEVILLE,	D	137 Holly St.
5	"	A. DENNIS PERREAULT,	R	335 Bowditch St.
6	"	FRANCOIS LAPOINTE,	D	142 Collette St.

Deputies

1	Warden,	THOMAS RIDINGS,	R	204 Earle St.
2	Clerk,	DANIEL F. MURPHY,	D	208 Nash Rd.
3	Inspector,	CHARLES E. FOURNIER,	R	301 Earle St.
4	"	SAMUEL THOMPSON,	D	133 Bullard St.
5	"	JAMES A. McHUGH,	D	231 Collette St.
6	"	TIMOTHY O'BRIEN,	D	250 Davis St.

WARD 1, PRECINCT 4.

1	Warden,	HENRY J. FOURNIER,	R	148 Tallman St.
2	Clerk,	JOSEPH A. MAHONEY,	D	218 Tinkham St.
3	Inspector,	DOLOR A. HOULE,	R	128 Tinkham St.
4	"	HENRY BEAULIEU,	D	29 Nye St.
5	"	ARTHUR DUBUQUE,	R	201 Tinkham St.
6	"	FREDERICK H. ROSCOE,	D	259 Bowditch St.

Deputies.

1	Warden,	GEORGE W. ALLEN, JR.	R	286 Bowditch St.
2	Clerk,	FREDERICK HODSON,	D	139 Bullard St.
3	Inspector,	J. ARTHUR BALTHAZAR,	R	396 No. Front St.
4	"	WALTER THORNLEY,	D	209 Hathaway St.
5	"	ROCK MATHIEU,	R	105 Bullard St.
6	"	LUKE BROZEK,	D	132 Holly St.

WARD 2, PRECINCT 5.

1	Warden,	MICHAEL J. HURLEY,	D	49 Vine St.
2	Clerk,	WM. BEARDSWORTH,	R	709 Summer St.
3	Inspector,	DANIEL J. CONNOLLY,	D	370 State St.
4	"	THOMAS F. LEWIN,	R	1082 County St.
5	"	WILLIAM S. GIFFORD,	D	1450 Pleasant St.
6	"	ROCK DUPRE,	R	7 Bentley St.

Deputies.

1	Warden,	GEORGE H. GOULET, Jr.	D	35 Linden St.
2	Clerk,	JOHN S. PYE	R	1082 Acushnet Ave.
3	Inspector,	VICTOR LEMIEUX,	D	949 County St.
4	"	FRANK S. SULLIVAN,	R	14 Studley St.
5	"	GEORGE A DAVIDSON,	D	280 Austin St.
6	"	THOMAS T. GIFFORD,	R	389 Cedar St.

WARD 2, PRECINCT 6.

1	Warden,	HENRY CHARPENTIER,	R	12 Bentley St.
2	Clerk,	LEON J. DUFOUR	D	51 Vine St.
3	Inspector,	EMILE C. BELLENOIT,	R	111 Mt. Vernon St.
4	"	WILLIAM FIELDING,	D	404 Cedar Grove St.
5	"	JOHN J. GOLDTHORPE,	R	18 Trinity St.
6	"	EDWARD M. MURPHY,	D	168 Austin St.

Deputies.

1	Warden,	FRANCIS P. LAUGHLIN,	R	93 Hazard St.
2	Clerk,	JAMES S. McGRATH,	D	11 Reynolds St.
3	Inspector,	ERNEST H. BOUCHER,	R	87 Reynolds St.
4	"	JAMES E. MALEY,	D	48 Richmond St.
5	"	JOHN E. HANDFORD,	R	274 Sawyer St.
6	"	EDWARD J. DORAN,	D	79 Highland St.

WARD 2, PRECINCT 7

1	Warden,	GEORGE H. BONNER,	D	9 Willow St.
2	Clerk,	ALBERT BARBER,	R	7 Glover St.
3	Inspector,	THOMAS PICKET,	D	350 Cedar St.
4	"	ARTHUR POIRIER,	R	1176 Acushnet Ave.
5	"	JOHN HOLLIHAN,	D	107 Robeson St.
6	"	JOHN T. DRINKWATER,	R	56 Beetle St.

Deputies

1	Warden,	EDWARD J. BELLENOIT,	D	89 Vine St.
2	Clerk,	MOSES DENAULT, Jr.	R	366 State St.
3	Inspector,	STEPHEN H. SULLIVAN,	D	257 Cedar Grove St.
4	"	JOHN F. M. PELL,	R	18 Trinity St.
5	"	Vacancy	D	
6	"	WILLIAM ARNETT	R	12 Collins St.

WARD 2, PRECINCT 8

1	Warden,	JOSEPH N. FINNI,	R	1105 Acushnet Ave.
2	Clerk,	WILLIAM McCANN,	D	200 North Front St.
3	Inspector,	ERNEST S. DAVIGNON,	R	159 Adams St.
4	"	PATRICK H. SULLIVAN,	D	56 Linden St.
5	"	ALBERT BOURGET,	R	102 Beetle St.
6	"	THOMAS J. McDERMOTT,	D	332 Cedar St.

Deputies

1	Warden,	EDWARD F. HARPS,	R	30 Collins St.
2	Clerk,	HENRY A. SHEA,	D	239 State St.
3	Inspector,	EDWARD H. McELENEY,	R	305 Austin St.
4	"	GEORGE A. SNELL,	D	10 Collins St.
5	"	JAMES J. GORDON, Jr.	R	65½ Durfee St.
6	"	PHILIP SMITH,	D	206 State St.

WARD 3, PRECINCT 9

1	Warden,	ANDREW P. KIRBY,	D	48 Sycamore St.
2	Clerk,	B. FRANKLIN WORDELL,	R	59 Sycamore St.
3	Inspector,	WILLIAM T. DAVIS,	D	614 County St.
4	"	ARTHUR B. CASE,	R	873 Pleasant St.
5	"	ALVIN H. PAINE,	D	55 Hill St.
6	"	JOSEPH L. FORRESTER,	R	953 Pleasant St.

Deputies

1	Warden,	JOSEPH C. DESMOND,	D	117 Hillman St.
2	Clerk,	FREDERICK W. BESSE,	R	1101 Pleasant St.
3	Inspector,	PATRICK J. GALLIGAN,	D	1265 Pleasant St.
4	"	JOSEPH A. NOLET,	R	90 Robeson St.
5	"	WILLIAM T. DAVIS,	D	4 Smith St.
6	"	EDWARD T. SEARS,	R	4 Smith St.

WARD 3, PRECINCT 10

1	Warden,	GEORGE P. MACOMBER,	R	774 County St.
2	Clerk,	PETER F. SULLIVAN,	D	328 Cedar St.
3	Inspector,	CHARLES A. HALL,	R	1207 Pleasant St.
4	"	ALBERT C. WELCH,	D	69 Sycamore St.
5	"	CHARLES L. FAUNCE,	R	13 Pope St.
6	"	JOSEPH B. MURRAY,	D	46 Robeson St.

Deputies

1	Warden,	ABNER P. POPE,	R	63 Thomas St.
2	Clerk,	JAMES A. REED,	D	61 Chestnut St.
3	Inspector,	HARRY BURKE,	R	178 Cedar St.
4	"	JOSEPH P. REILLY,	D	9 Richmond St.
5	"	STEPHEN B. ARNOLD,	R	525 Cottage St.
6	"	Vacancy,	D	

WARD 3, PRECINCT 11

1	Warden,	SAMUEL E. GABRIEL,	R	463 Cottage St.
2	Clerk,	DANIEL J. SULLIVAN,	D	100 Hillman St.
3	Inspector,	ARTHUR P. ALLEN,	R	186 Summer St.
4	"	EDWARD F. RILEY,	D	21 Shawmut Ave.
5	"	WILLIAM YORK,	R	123 Cedar St.
6	"	JAMES J. FINN,	D	161 North St.

Deputies

1	Warden,	ANDERSON H. SWIFT,	R	98 Campbell St.
2	Clerk,	JOHN H. RYAN, JR.,	D	162 Campbell St.
3	Inspector,	ANTHONY LOFTUS,	R	850 Rockdale Ave.
4	"	ISAAC BARRON,	D	431 Mill St.
5	"	LESLIE B. ALLEN,	R	631 County St.
6	"	EDWARD C. JOHNSON,	D	36 Keene St.

WARD 3, PRECINCT 12

1	Warden,	JAMES H. BAMFORD,	R	90 Merrimac St.
2	Clerk,	THOMAS J. MURPHY,	D	721 County St.
3	Inspector,	JOHN P. O'HARA,	R	25 Richmond St.
4	"	CHARLES A. GALLIGAN,	D	36 Pearl St.
5	"	EDWARD T. MAHONEY,	R	508 Cottage St.
6	"	TIMOTHY J. DORGAN,	D	5 Tilton St.

Deputies

1	Warden,	EDWARD H. CARTER,	R	275 Pope St.
2	Clerk,	STEPHEN J. WESTON, Jr.	D	184 Summer St.
3	Inspector,	JAMES W. OWEN, Jr.	R	1258 Purchase St.
4	"	PETER F. MULKERNE,	D	109 Chestnut St.
5	"	CORNELIUS B. PIPER,	R	1290 Purchase St.
6	"	HAROLD A. GIFFORD,	D	227 North St.

WARD 4, PRECINCT 13

1	Warden,	JOHN T. CANTWELL,	D	91 Pierce St.
2	Clerk,	JOSEPH H. SCHOFIELD,	R	200 Tremont St.
3	Inspector,	PATRICK J. NORTON,	D	277 Park St.
4	"	CHESTER E. DAVIS,	R	165 Middle St.
5	"	CLARENCE E. ROCKEFELLER,	D	51 Emerson St.
6	"	CHARLES H. SIMMONS,	R	446 Union St.

Deputies

1	Warden,	ADAM C. HENDERSON,	D	484 Mill St.
2	Clerk,	SETH W. GODFREY,	R	429 Union St.
3	Inspector,	WILLIAM L. SLOCUM,	D	190 Ash St.
4	"	WILLIAM A. COE	R	71 Mechanics Lane.
5	"	JAMES ARUNDALE,	D	517 Kempton St.
6	"	Vacancy,	R	

WARD 4, PRECINCT 14

1	Warden,	HENRY A. GRAY,	D	288 Palmer St.
2	Clerk,	LYNTON M. BUFFINTON,	R	418 Union St.
3	Inspector,	JAMES F. HARRISON,	D	326 Middle St.
4	"	FRED'K D. BARROWS,	R	486 County St.
5	"	CHARLES H. TALMAGE,	D	162 Park St.
6	"	WILLIAM E. CARROLL,	R	568 Kempton St.

Deputies

1	Warden,	JOHN G. PURRINGTON,	D	147 Arnold St.
2	Clerk,	CHARLES E. CARROLL,	R	247 Middle St.
3	Inspector,	PETER J. RILEY,	D	53 Morgan St.
4	"	HENRY HARLOW,	R	417 Union St.
5	"	WM. L. FITZGERALD,	D	240 Middle St.
6	"	CHARLES B. DAVIS,	R	95 High St.

WARD 4, PRECINCT 15

1	Warden,	EDWARD B. GRAY,	D	232 Cottage St.
2	Clerk,	WALTER RAWCLIFFE,	R	32 Lindsey St.
3	Inspector,	MICHAEL C. AUSTIN,	D	431 Court St.
4	"	FREDERICK B. COOK,	R	253 Arnold St.
5	"	ANDREW TATE,	D	399 Elm St.
6	"	ALBERT E. WELSH,	R	114 Newton St.

Deputies

1	Warden,	FRANK E. GILLETTE,	D	456 Mill St.
2	Clerk,	IRVING S. ALLEN,	R	153 Morgan St.
3	Inspector,	WM. H. RICHARDSON,	D	281 Park St.
4	"	GEORGE E. NYE,	R	43 Hill St.
5	"	Vacancy	D	
6	"	DAVID M. PIPER,	R	49 Florence St.

WARD 4, PRECINCT 16

1	Warden,	MARTIN H. SULLIVAN,	D	78 North St.
2	Clerk,	HORACE WOOD,	R	85 Mill St.
3	Inspector,	HERBERT C. HAMMOND,	D	36 Florence St.
4	"	TIMOTHY J. GLEASON,	R	74 Park St.
5	"	HERBERT E. MACY,	D	151 Morgan St.
6	"	F. EBEN BROWN,	R	103 School St.

Deputies

1	Warden,	CLARENCE E. JONES,	D	122 Armour St.
2	Clerk,	FRANK W. DAVIS,	R	567 Kempton St.
3	Inspector,	FREDERIC A. KEITH, Jr.	D	537 Union St.
4	"	PHILIP S. COLYAR,	R	830 Pleasant St.
5	"	GEORGE H. SALTUS,	D	48 Florence St.
6	"	PAUL RIOUX,	R	126 Mill St.

WARD 5, PRECINCT 17

1	Warden,	GEO. P. RICHARDSON,	D	52 Russell St.
2	Clerk,	FRANK WHITTAKER,	R	93 So. Sixth St.
3	Inspector,	MANUEL G. CRUZ,	D	161 Acushnet Ave.
4	"	JOSEPH BRYLL,	R	154 So. Second St.
5	"	ROBERT J. CURRY,	D	69 South St.
6	"	JOHN D. ELLIOTT,	R	502 Purchase St.

Deputies

1	Warden,	JOHN M. FAGAN,	D	242 Purchase St.
2	Clerk,	WILLIAM J. DUNNE,	R	209 Rockland St.
3	Inspector,	THOMAS A. MORRISON,	D	173 Grinnell St.
4	"	CLIFTON F. ASHLEY,	R	42 So. Sixth St.
5	"	WILLIAM C. DeMELLO,	D	211 Acushnet Ave.
6	"	HERBERT W. SUTTON,	R	195 Acushnet Ave.

WARD 5, PRECINCT 18

1	Warden,	PHILIP S. BRIGGS,	D	483 County St.
2	Clerk	HARRY S. BRIGHTMAN,	R	251 Orchard St.
3	Inspector,	ERNEST PRESS,	D	27 Borden St.
4	"	E. PHILIP BERTHIAUME,	R	23 Fair St.
5	"	EDWARD W. GALLIGAN,	D	285 Hawthorn St.
6	"	WANTON H.S.BEAUVAIS,	R	263 Pleasant St.

Deputies

1	Warden,	ROBERT SIBOR,	D	304 Hawthorn St.
2	Clerk,	JOHN H. BURKE,	R	153 Acushnet Ave.
3	Inspector,	ARTHUR R. HOWLAND,	D	116 So. Sixth St.
4	"	WILFRED S. KIRBY,	R	33 So. Sixth St.
5	"	JOSEPH V. DIAS,	D	9 Bay St.
6	"	ANTONE H. SENNA,	R	173 Allen St.

WARD 5, PRECINCT 19

1	Warden,	JOHN C. EMERY,	R	99 Bedford St.
2	Clerk,	CLIFTON P. TUELL,	D	341 So. Orchard St.
3	Inspector,	JOSEPH A. CRONIN,	R	240 Maple St.
4	"	JOHN H. DEAN,	D	15 Borden St.
5	"	CHARLES A. BENNETT,	R	183 Washington St.
6	"	HERBERT W. BLISS,	D	72 Rotch St.

Deputies

1	Warden,	SAMUEL MORRIS,	R	60 Bay St.
2	Clerk,	NORMAN BARSTOW,	D	326 Clinton St.
3	Inspector,	JOHN A. MacKAY,	R	167 Grinnell St.
4	"	THOMAS THORLEY,	D	467 Allen St.
5	"	Vacancy,	R	
6	"	Vacancy	D	

WARD 5, PRECINCT 20

1	Warden,	HENRY C. GRAY,	D	75 Dartmouth St.
2	Clerk,	GEORGE F. CURRY,	R	67 Taber St.
3	Inspector,	PHILIP J. SHERMAN,	D	28 Borden St.
4	"	FRED LEES,	R	46 Short St.
5	"	CHAS. J. MATTHEWS,	R	191 Washington St.
6	"	JOHN H. MARTIN,	R	232 Arnold St.

Deputies

1	Warden,	WILLIAM NESBIT,	D	34 Page St.
2	Clerk,	THOMAS W. RAMSDEN,	R	8 Plymouth St.
3	Inspector,	ANTHONY J. MONIZ,	D	14 Devoll St.
4	"	HORACE R. COUPE,	R	1 Warwick St.
5	"	WILLIAM W. FOLEY,	D	1 Cottage St.
6	"	SMITH SHARPLES,	R	30 James St.

WARD 6, PRECINCT 21.

1	Warden,	PATRICK J. COYNE,	D	17 Stapleton St.
2	Clerk,	PHILIP E. FOGARTY,	R	22 Hall St.
3	Inspector,	JAMES KINCAID,	D	4 Welcome St.
4	"	LOUIS CORDEIRO,	R	46 Briggs St.
5	"	EDWARD MAYNARD,	D	604 So. Second St.
6	"	GREENWOOD PENDLEBURY	R	109 Division St.

Deputies.

1	Warden,	JOHN McGLADDERY,	D	19 Nelson St.
2	Clerk,	EDWARD J. DRISCOLL,	R	92 County St.
3	Inspector,	JOHN L. MULCAIRNS,	D	172 Rivet St.
4	"	MANUEL GRACE,	R	70 Hall St.
5	"	JOHN S. HARRISON,	D	57 Briggs St.
6	"	Vacancy	R	

Ward 6, Precinct 22

1	Warden,	OWEN J. DOWD,	D	790 So. First St.
2	Clerk,	JAMES V. RONAN,	R	29 Mosher St.
3	Inspector,	PIERRE H. DANDURAND,	D	9 W. French Ave.
4	"	HUBERT HALL,	R	24 Winsor St.
5	"	THOMAS BETHERTON,	D	130 Crapo St.
6	"	GEORGE W. NOYER,	R	77 County St.

Deputies

1	Warden,	JOHN R. WALDRON,	D	32 Mosher St.
2	Clerk,	ZEPHIR J. ROBERT,	R	56 Jouvette St.
3	Inspector,	Vacancy,	D	
4	"	ARTHUR W. GILMORE,	R	835 So. Water St.
5	"	AUSTEN C. PIERCE,	D	56 Ashley St.
6	"	JAMES LOFTUS,	R	9 Valentine St.

Ward 6, Precinct 23

1	Warden,	MARSHALL S. GREENE,	R	233 Rivet St.
2	Clerk,	JOHN J. McAVOY,	D	25 Welcome St.
3	Inspector,	WILLIAM WALLACE,	R	28 Cove St.
4	"	MANUEL JOSEPH,	D	206 Rockland St.
5	"	JOHN B.L. WATERHOUSE,	R	451 Rivet St.
6	"	ARTHUR F. GLEASON,	D	519 Rivet St.

Deputies

1	Warden,	ERNEST A. ROTHERA,	R	866 Brock Ave.
2	Clerk,	WALTER WALDRON,	D	16 Briggs St.
3	Inspector,	MICHAEL QUINN,	R	103 Rockland St.
4	"	HENRY W. RAYMOND,	D	163 Bonnev St.
5	"	PERCY MELLOR,	R	649 Brock Ave.
6	"	DANIEL McAULIFFE,	D	699 So. First St.

Ward 6, Precinct 24

1	Warden,	DENNIS F. SHUGRUE,	D	33 Delano St.
2	Clerk,	NAPOLEON GREGOIRE,	R	74 Nelson St.
3	Inspector,	JOSEPH A. McAVOY,	D	25 Welcome St.
4	"	JOHN A. HYDE,	R	738 Brock Ave.
5	"	WILLIAM CLARKE,	D	41 Mosher St.
6	"	JAMES DOWNHILL,	R	36 Winsor St.

Deputies

1	Warden,	PATRICK F. GARRITY,	D	877 So. Water St.
2	Clerk,	THOMAS SINGLETON,	R	46 Ashley St.
3	Inspector,	WILLIAM A. ADAMS	D	166 Clara St.
4	"	Vacancy,	R	
5	"	LUDGER LAVOIE,	D	28 Ashley St.
6	"	THOMAS HENDERSON, Jr.	R	38 Willard St.

WARD LINES.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,
December 23, 1914.

ORDERED, That in conformity with the Revised Laws of Massachusetts, and under authority of Chapter 676 of the Acts of the Legislature in the year 1914, the several wards of the city be and they hereby are divided and established according to the following described lines, said division and designation to take effect as prescribed by Section 4 of said Chapter 676 of 1914:

Ward One—All that portion of the city lying north and east of a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven, and drawn through the middle of Sawyer Street to the westerly line of the location of the Old Colony Railroad; thence northerly and westerly in that line and in the southerly line of the Watuppa Branch of the Old Colony Railroad to the line between the City of New Bedford and the Town of Dartmouth.

Ward Two—All that portion of the city lying between a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and drawn through the middle of the following streets, namely: Wamsutta, Purchase, Austin, County, Hazard, Summer, Robeson, and the last named line extended to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and drawn through the middle of Sawyer Street to the westerly line of the location of the Old Colony Railroad; thence northerly and westerly in that line and in the southerly line of the Watuppa Branch of the Old Colony Railroad to the line between the City of New Bedford and the Town of Dartmouth.

Ward Three—All that portion of the city lying between a line beginning at a point in the Acushnet River at the line between the City of New Bedford and the Town of Fairhaven, and passing north of Popes and Fish Islands, and thence through the middle line of the following streets, namely: North, Newton, Mill and Kempton to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and

drawn through the middle of the following streets, namely Wamsutta, Purchase, Austin, County, Hazard, Summer, Robeson, and the last named line extended to the line between the City of New Bedford and the Town of Dartmouth.

Ward Four—All that portion of the city lying between a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven, and passing south of Popes and Fish Islands, and thence through the middle of the following streets, namely: Walnut, County and Arnold, to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven passing north of Popes and Fish Islands, and thence through the middle line of the following streets, namely North, Newton, Mill and Kempton to the line between the City of New Bedford and the Town of Dartmouth.

Ward Five—All that portion of the city lying between a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and passing north of Palmers Island; thence through the middle of the following streets, namely: Potomska, Purchase, Thompson, Bonney and Rockland; thence westerly across the Rural Cemetery and through the middle of Winterville Road to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven, and passing south of Popes and Fish Islands, and thence through the middle of the following streets, namely: Walnut, County and Arnold, to the line between the City of New Bedford and the Town of Dartmouth.

Ward Six—All that portion of the city lying south of a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and passing north of Palmers Island; thence through the middle of the following streets, namely: Potomska, Purchase, Thompson, Bonney and Rockland; thence westerly across the Rural Cemetery and through the middle of Winterville Road to the line between the City of New Bedford and the Town of Dartmouth.

In Board of Aldermen, Dec. 23, 1914. Adopted and sent down for concurrence.

In Common Council, Dec. 23, 1914. Concurred.

Presented to and approved by the Mayor, Dec. 24, 1914.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

EXTRACT FROM LAW.

Section 4 of Chapter 676 of the Acts of 1914, entitled "An Act relative to the re-division of cities into wards and voting precincts," is as follows:

Chapter 676, Acts 1914.

"Section 4. Said Chapter eight hundred and thirty-five is hereby further amended by striking out section two hundred and nineteen and inserting in place thereof the following new section: Section 219. For all elections held prior to the annual state primary in the second year following a re-division of a city into wards, and for the assessment of taxes prior to such time, the wards as existing prior to such re-division shall continue, and for such purposes the election officers shall be appointed and hold office, and voting lists shall be prepared, and all other things required by law shall be done as if no such re-division had been made. For all other purposes, the new division shall take effect on the thirty-first day of December of the year when it is made."

W. H. B. Remington, City Clerk.

VOTING PRECINCTS.

CITY OF NEW BEDFORD.
In Board of Aldermen, Jan. 14, 1915.

ORDERED, That the wards of the City of New Bedford as established by the City Council of 1914, be and they hereby are divided into voting precincts, as follows:

WARD ONE.

Precinct 1—All that part of ward 1 lying northerly and westerly from the following described lines, viz: Beginning at a point in the Acushnet river and in an extension easterly of the centre line of Belleville road to the centre line of the Old Colony railroad; thence southerly in the centre line of the Old Colony railroad to its junction with the line between ward 1 and ward 2; thence westerly in the centre line of the Watuppa branch of the Old Colony railroad to the line between the city of New Bedford and the town of Dartmouth.

Precinct 2—All that part of ward 1 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Manomet street, Riverside avenue, Hathaway street, Belleville avenue, Earle street, the Old Colony railroad, and Belleville road to the Acushnet river.

Precinct 3—All that part of ward 1 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Deane street, the Old Colony railroad, Earle street, Belleville avenue, Hathaway street, Riverside avenue, and Manomet street to the Acushnet river.

Precinct 4—All that part of ward 1 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Sawyer street, Old Colony railroad, and Deane street to the Acushnet river.

WARD TWO.

Precinct 5—All that part of ward 2 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Wamsutta street, Old Colony railroad, and Sawyer street to the Acushnet river.

Precinct 6—All that part of ward 2 bounded by the following lines in sequence, viz: The centre lines of Wamsutta

street, Purchase street, Austin street, County street, Linden street, Reynolds street and Reynolds street produced, and the Old Colony railroad.

Precinct 7—All that part of ward 2 bounded by the following lines in sequence, viz: The centre lines of Hazard street, Summer street, Robeson street, Cottage street, Mt. Pleasant street, Old Colony railroad, Reynolds street and Reynolds street produced, Linden street, and County street.

Precinct 8—All that part of ward 2 bounded by the following lines in sequence, viz: The centre lines of Robeson street and Robeson street produced, the line between the city of New Bedford and the town of Dartmouth, the centre line of the Old Colony railroad, and the centre lines of Mt. Pleasant and Cottage streets.

WARD THREE.

Precinct 9—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Hill street, Hillman street, State street, Willis street, State street, Pearl street, County street, Austin street, Purchase street, and Wamsutta street.

Precinct 10—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Chestnut street, Robeson street, Summer street, Hazard street, County street, Pearl street, State street, Willis street, State street, Hillman street, and Hill street.

Precinct 11—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Cedar street, Parker street, Shawmut avenue, Robeson street and Chestnut street.

Precinct 12—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Newton street, Mill street, Kempton street, the line between the city of New Bedford and the town of Darmouth, the centre lines of Robeson street and Robeson street produced, Shawmut avenue, Parker street and Cedar street.

WARD FOUR.

Precinct 13—All that part of ward 4 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Walnut street, County street and North street to the Acushnet river, including the islands in the Acushnet river known as "Fish island" and "Popes island."

Precinct 14—All that part of ward 4 bounded by the following lines in sequence, viz: The centre lines of Arnold, Ash, North and County streets.

Precinct 15—All that part of ward 4 bounded by the following lines in sequence, viz: The centre lines of Arnold, Tremont, Mill, Newton, North and Ash streets.

Precinct 16—All that part of ward 4 bounded by the following lines in sequence, viz: The centre line of Arnold street and Arnold street extended, the line between the city of New Bedford and the town of Dartmouth, and the centre lines of Kempton, Mill and Tremont streets.

WARD FIVE.

Precinct 17—All that part of ward 5 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Potomska, Purchase, Thompson, County, Sixth and Walnut streets to the Acushnet river.

Precinct 18—All that part of ward 5 bounded by the following lines in sequence, viz: The centre lines of Thompson, Bonney, Rockland, Orchard, Arnold, County, Walnut, Sixth and County streets.

Precinct 19—All that part of ward 5 bounded by the following lines in sequence, viz: The centre line of Rockland street, the southerly line of ward 5 in Rural cemetery, the centre lines of Lewis street and Lewis street extended, Grape, Oak, Clay, Ward, Bedford, Ash, Arnold and Orchard streets.

Precinct 20—All that part of ward 5 bounded by the following lines in sequence, viz: The southerly line of ward 5 in Rural cemetery, the centre line of Winterville road, the line between the city of New Bedford and the town of Dartmouth, the centre lines of Arnold street and Arnold street extended, Ash street, Ward street, Clay street, Oak street, Grape street, Lewis street and Lewis street extended.

WARD SIX.

Precinct 21—All that part of ward 6 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Gifford, Water, Division, Crapo, Thompson, Purchase and Potomska streets to the Acushnet river including the island in Acushnet river known as "Palmers island."

Precinct 22—All that part of ward 6 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Ruth street and Brock avenue to Clarks cove; beginning again at Clarks cove and extending through the centre lines of Crapo, Division, Water and Gifford streets to the Acushnet river.

Precinct 23—All that part of ward 6 bounded by the following lines in sequence, viz: The boundary line between the city of New Bedford and the town of Dartmouth, the centre line of Winterville road, the northerly line of ward 6 across Rural cemetery, the centre lines of Rockland, Bonney, Thompson and Crapo streets to Clarks cove.

Precinct 24—All that part of ward 6 lying southerly of the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Ruth street and Brock avenue to Clarks cove.

In Board of Aldermen, Jan. 14, 1915. Adopted.

Presented to and approved by the mayor Jan. 15, 1915.

A true copy, attest:

W. H. B. Remington, City Clerk.

EIGHTEENTH

INAUGURAL ADDRESS

OF THE

Hon. CHARLES S. ASHLEY

MAYOR OF NEW BEDFORD

MASSACHUSETTS

AT THE

INAUGURATION OF THE CITY GOVERNMENT

JANUARY FIRST

NINTEEN HUNDRED AND SEVENTEEN

New Bedford, Massachusetts
THE J. E. BUDLONG PRESS
PRINTERS
1 9 1 7

EIGHTEENTH INAUGURAL ADDRESS

OF THE

Hon. CHARLES S. ASHLEY

Gentlemen of the City Council:

In calling your attention to matters which will engage your thought and claim your services for the ensuing year, I shall be limited to the topics upon which absolute information is readily obtainable. We must make our preparations for the future in the light of known facts and undisputed conditions. Without the acquaintance that comes from the participation in the administrative doings of the past year, we are obliged to take things as we find them and plan our course accordingly. In the absence of detailed accounting which the practice of other days has deemed to be essential, we are not possessed of the full records that should be at our command, but we are not to hesitate or stand confused because of incomplete data and uncertain statistics. I undertake to advise you with reference to ways and means in the full confidence that no substantial departure can be made from the estimates I advance. Certain it is that the figures I shall quote are the most liberal that can be employed and any change must assuredly operate to reduce rather than increase funds which are to be subject to your appropriation orders for the year which today commences.

The gross municipal debt is at the highest figure in our history, amounting to over ten and three quarters millions of dollars. Bond issues within the debt limit have left a present borrowing capacity margin of but $53,980.06. Of interest balance there is but a credit of $160.18 since a large portion of the money raised for this account has been expended for other purposes and no real remainder left available to be applied in this direction. It will be necessary to again assess the people in an amount equal to the sum which was diverted; a legacy burden adversely affecting our appropriating ability to just that extent. We are without information as to accruing liabilities that have been possible of creation, and which, if appearing, may eliminate the scanty resources to which I have already referred as being apparently at hand.

I have repeatedly said that in the absence of calamity or extraordinary happenings, I would oppose any further increase of the public debt. It is possible to reduce the outstanding total in some measure each year, by making loans that shall be less in amount than the debt retired in the corresponding period. Sound business judgment should incline us to this course. About $850,000 of bonded debt will be paid in the current year, and new obligations should not be assumed in equal or greater proportion. At most there can be derived from the borrowing capacity during the whole year at dates considerably deferred, no more than $550,000 in the aggregate. The ordinary and usual purposes from which the sums so raised, from time to time, are legally applicable, will quite consume all of this class of proceeds. If, as against the $850,000 liquidation we determine to borrow in the way I have mentioned, a further sum not substantially greater than $250,000, even then legislative authority will have to be obtained. The bond issue would have to be of the same kind as the one it succeeds, in other words, specially exempted. If any of

the projects to which I shall refer are undertaken, this course will have to be followed, but you will note that the gross debt is not thereby increased, but the two divisions of its makeup must be at all times regarded. In all other respects the city and its departments must be maintained from the tax receipts and miscellaneous income. No other money is available except by further increased taxation which has reached a high rate in nearly all Massachusetts cities and towns.

I have often said that with our emergency and rapid expansion necessities provided for, our attention could well be directed to the routine requirements of our modernized city,—that is to say that running expenses could be calculated on a basis of uniform, steady and practically unvarying year to year experience. This would appear to be simple fact and to be recognized in the preparation of a budget. We should endeavor to prevent a raise in taxes and this is particularly to be impressed upon our minds when we consider that the workings of the new tax assessment law which goes into effect this year cannot be anticipated as no person knows how we, as a municipality, are to be affected by its provisions. Having called to your notice all the resources which may be expected to materialize, I now ask you to consider to what extent and in what direction the same may be devoted.

Two projects each important and neither of which can well be carried out in part, press for thoughtful investigation.

The widening of Union Street, in connection with the other central thoroughfare improvements is a vital necessity. If brought about, action cannot well be long postponed without adding to the damage costs as time goes on. All the features in connection with this proposition should be the subject of early consideration.

A municipal hospital is an institution demanding construction, equipment and operation. The public voice has been expressed in this regard and the people have a right to expect their wishes to be recognized. I declare in favor of its early establishment. Either as a body or by committees you should secure all the information necessary and be advised as to all the expense and outlay probably involved. This calls for care and the soundest of judgment and discrimination. I hope you will soon be possessed of every fact required for your guidance and be prepared to act when the finances permit.

I am definitely advised that the school department will have suggestions for further buildings which that body is convinced are absolutely necessary. I cannot undertake to forecast how far you will be able to go ot relieve the most urgent of these demands. No subject is of greater importance; all the details which the school committee has enumerated will be laid before you at an early date.

The extension of the municipal building with auditorium included, should be carried out on the land which the city so wisely bought when the opportunity was favorable. You may find this to be wholly impossible of accomplishment but it should be brought forward and discussed at some appropriate time.

A new draft of ordinances, prepared after steps originally intended to be a revision, takes effect today. It will be found that the provisions are greatly at variance with the intent of successive city governments. You will also learn that much of it is contrary to the statutes and without any legal effect. It is incumbent upon you to make many repeals. Some of these will be immediate as the insufficiencies and disabilities come to your observation.

The growing sentiment in favor of the use of school house property for community interest purposes should influence the adoption in this city of this most commendable practise. The school buildings of this city have cost millions of dollars,—many of them are provided with auditoriums which are only used for the assembling of pupils for a short time each school day. The waste of opportunity in such restricted use has attracted attention and in many cities plans have been developed whereby these auditoriums are used as social centres, where the community may meet for recreation, such as dances, concerts, lectures and meetings for the discussion of questions of interest to the neighborhood. I am in favor of much wider use of the auditorium of the High school and until such time as the municipal auditorium to which I have referred can be made available, I would permit its use for public meetings in similar manner as City hall was formerly used. I hope to see the necessary action taken here and such enabling orders passed as the laws of the commonwealth may require.

We do not need to be reminded that public opinion is intolerant of any attitude on the part of those of us who are charged with the enforcement of the laws as the same are written in the statute books. The police must perform the duties imposed by law upon them, without fear or favoritism. I can assure the citizens there will be no failure on our part to have this understood beyond the possibility of a doubt.

I may also add that if any one supposes that Sunday theatrical performances are to be the order of the day, let him dismiss the thought. Nothing of the kind will be permitted and no license will be given by me for anything except events which will meet with general approval.

I shall from time to time bring before you, in the order of their importance, matters which require your action and acquaint you in that regard with whatever opinion I hold and the course of action which to me seems advisable.

ANNUAL REPORT

OF THE

Committee on Bath Houses

OF THE

CITY OF NEW BEDFORD, MASS.

FOR THE YEAR 1916

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

CITY OF NEW BEDFORD.

IN COMMITTEE.

December 27, 1916.

To the City Council.

GENTLEMEN: The Committee on Bath Houses herewith submits its annual report for the season of 1916.

This is the first season at the new bath houses. The construction cost of the houses was as follows: general construction, The B. F. Smith Company, $47,103.00; lockers, The Boston Metal Fireproofing Company, $4,611.00; architect, Louis E. Destremps, $2,529.25.

The contracts were awarded April 17, 1916 and the houses were opened to the public use on July 15, 1916. The houses were closed September 23, 1916, remaining open a period of ten weeks.

The estimated number of bathers and weekly receipts are shown in the following reports of the Superintendent, viz: —

Week ending	No. of Bathers	Receipts
July 16	No report	$ 78.05
" 23	6,104	182.75
" 30	5,596	139.72
Aug. 6	20,810	429.55
" 13	8,571	208.55
" 20	9,116	295.85
" 27	20,524	406.25
Sept. 3	3,703	105.00
" 10	4,078	71.32
" 17	512	20.90
" 20 (3 days)	82	2.35
	79,096	$1,940.29

The houses, during the season, were in charge of the following employees:

Superintendent, - Alfred F. Benoit,

ASSISTANTS

William A. Adams	Armand Poirier
Francis J. Kennedy	Christopher Southworth
Arthur Wooley	Peter Murray

Life Guards - - James Greenwood,
Thomas Halliwell,
William B. Delano

Lady Assistants - Mrs. Mary E. Doyle.
Jane McGowan

A financial statement is herewith presented, viz: —

Appropriations,	$4,000.00	
	2,000.00	
	51.84	
		$6,051.84
Expenditures,		
Payrolls, attendants	$ 1,999.75	
Laundry	409.56	
Lighting	60.36	
Supplies	1,149.78	
Water	204.94	
Stock, labor and fitting	1,585.67	
Carting	4.00	
Furnishing	355.00	
Travel	220.00	
Advertising	62.78	
		$6,051.84

You will note that 70,096 people patronized these bath houses this year; and the fact must not be overlooked that the building was not ready for occupancy until July 15th, which was over a month later than the customary opening of same. It is safe to say that the erection of permanent public bath houses is one step in the right direction; and this Committee trusts that further steps will be taken in the year 1917 to improve the beach and to provide for the erection of a pier which will make these bath houses second to none on the New England Coast.

Your Committee feels that it had a very efficient staff of attendants; and the life guards were such that they more than justified the expenditure. Many fine comments were expressed by the patrons of the bath houses upon the courteous way in which they were treated; and your Committee did everything in its power to make the season of 1916 one long to be remembered in the minds of those who enjoy beneficial recreation during our summer season.

For the Committee,

GILBERT G. SOUTHWORTH,
Chairman.

City of New Bedford.

In Board of Aldermen,

December 2, 1916.

Received, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

MEMORANDUM.

No meeting of the Common Council, at which concurrent action was taken on within matter, held during municipal year 1916.

IN BOARD OF ALDERMEN.

January 2, 1917.

Taken from files of 1916, ordered printed in City Documents and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

ANNUAL REPORT

OF THE

Superintendent of Public Buildings

ALSO

Inspector of Buildings

CITY OF NEW BEDFORD, MASS.

For the Year Ending Dec. 31, 1916.

NEW BEDFORD
THE A. E. COFFIN PRESS, PRINTERS
1917

REPORT OF THE

Superintendent of Public Buildings

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,
NEW BEDFORD, MASS., DEC. 31, 1916.

To his honor the Mayor and the City Council:

Gentlemen:—I have the honor to submit this report on the condition of public buildings under construction December 31, 1915, also the work performed under my supervision up to and including December 31, 1916.

NEW CENTRAL FIRE STATION.

The City Council of 1915, referred bids obtained by them for this building to the City Council of 1916. At a meeting of the new City Council, held Jan. 7th, it was voted to award the contract to the J. W. Bishop Co. of Worcester, Mass., the lowest bidder, for the sum of $121,990.00, which amount includes general construction, heating, plumbing and electrical work. Ground was broken February 7th, 1916, and the building has progressed to the stage that it is now roofed in and interior terra-cotta partitions are being built and should be ready for plastering February 1st, 1917. The work at this building has been seriously delayed owing to the brick plant being destroyed by fire in March, and the numerous embargoes on transportation of materials.

SALE OF OLD CENTRAL FIRE STATION.

On June 14th our City Property Committee sold at public auction the land and building of the old central

fire station, containing 11.70 rods of land, located on Purchase street and Mechanics lane, to H. S. Kelsey of Boston, Mass., for the sum of $41,825.00. The owner to take possession of the property when the new central fire station is completed and ready for occupancy by the company now stationed at this house. This building was erected in 1821 and has been added to and altered from time to time.

PORTABLE SCHOOL BUILDING.

At the request of the School Board the Committee on City Property called for proposals for a portable school building to be located on the Sylvia Ann Howland schoolhouse lot, Pleasant and High streets, from plans and specifications prepared by this department. The contract was awarded to the E. F. Hodgson Co. of Boston, Mass., the lowest bidder. The building was completed and accepted by the Committee June 9th.

Cost of building complete with furnishings.....$1,923.00

PUBLIC BATH HOUSES.

At a meeting of our City Property Committee held February 11th, it was voted to employ Louis E. Destremps, Architect, to prepare plans and specifications for a public bath house to be located on the shore of Hazelwood Park, West French avenue. On April 3rd plans were submitted for bids to be received by the Committee April 13th. The B. F. Smith Co. submitted the lowest bid for a completed building and including wharf improvements as called for in plans and specifications in the sum of $72,175.48. On account of this amount exceeding the bonded indebtedness for this project it was voted to substitute a temporary wooden administration building and eliminate the wharf repairs and laundry equipment, and on April 15th a con-

tract was awarded to the B. F. Smith Co. for the sum of $47,103.00. This is a semi-fireproof building with a frontage of 280 feet on West French avenue, and provides for 390 private rooms for women and 330 for men and 1,200 lockers for men and boys, allowing 2,000 bathers to be accommodated at one time. The work was commenced immediately on signing of the contract and completed and accepted by the Committee July 5th. The cost of the building follows:

Contract for general construction, including plumbing and electrical work, (B. F. Smith Co., contractors,)	$47,103.00
Additional work ordered by Committee	1,261.20
Steel lockers (Boston Metal Fireproofing Co.)	4,611.00
Architects fees, (Louis E. Destremps)	2,548.21
Total	$55,523.41

WHARF REPAIRS.

A contract was awarded to Frank C. Taylor, Contractor, of this city, by the Committee on Wharves for general repairs to the south side of Pier No. 3, of city wharf property, in accordance with plans and specifications prepared by this department, for the sum of $3,600.00. The work to be a duplicate of the work performed by this same contractor on the north side of the pier in 1914. This work will be completed by February 1st.

FIFTH STREET SCHOOL.

The old wooden stairs and stair wells in this building which were considered a dangerous fire menace were entirely removed during the summer vacation and iron stairs inclosed in brick fire walls. Metal sash and wire

glass installed at both ends of the building from basement to third floor with fire doors at each landing.

The old plumbing was entirely taken out and a new modern system of plumbing installed throughout. General repairs was also made to the entire building.

The total cost of the above alterations was $10,055.73.

PUMPING STATION.

(Intercepting Sewer.)

In the month of September the Mayor and Committee on Roads, Bridges and Sewers awarded a contract to Benjamin F. Watkins, the lowest bidder, for the erection of a brick sewerage pumping station in connection with the intercepting sewer system to be located near the junction of Belleville avenue and Belleville road for the sum of $6,412.88.

Plans for this building was prepared by the intercepting sewer department. The work being done under the supervision of this department.

The building is now ready for the roof and will be completed and ready for service in the early spring.

NEW SCHOOLHOUSE.

In the month of June the City Council voted to acquire the lot bounded by Diman, Hathaway, Earle streets and Belleville avenue for the purpose of erecting a one-story sixteen-room schoolhouse thereon, as recommended by the School Board. This lot contains 103,310 square feet or 2 acres 59.47 square rods. The City Property Committee selected Louis E. Destremps, Architect, to prepare plans and specifications for the erection of this building. The plans are now in the hands of the architect and will be ready for examination and approval of the School Board and Superintendent of Buildings early in the new year.

NEW CENTRAL POLICE STATION.

At a meeting of the City Council held September 28th, it was voted to purchase the land south of Old Market Square and the present police station as far as Spring street, between Acushnet avenue and Second street, for the purpose of erecting a modern central police station thereon, the price paid being $47,254.50, including all buildings on the site.

The Committee on City Property was ordered to procure plans and specifications and obtain bids for the erection of this building and report to City Council for further action. Louis E. Destremps, Architect, this city, was selected to prepare plans and specifications. Bids were received and reported to the City Council October 12th, with the recommendation that the contract be awarded to Henry T. Bulman Corp., the lowest bidder, in the sum of $145,500.00, which includes general construction, heating, plumbing, electrical, and jail and cell work. Work was commenced immediately upon signing of the contract and the site is now cleared and excavation nearly completed.

GENERAL REPAIRS.

General repairs were made to schoolhouses and other city buildings during the year at a total cost of $26,544.00.

As required by Section 146 of the Revised Ordinances, I hereby submit a detailed report of all repairs to city buildings coming under my supervision during the year 1916.

SCHOOLHOUSES.

Committee Rooms		
Ordinary repairs,		$91.43
Old High School		
Ordinary repairs,		$11.50
New High School		
House over elevator,	$148.20	
Heating,	275.02	
Ordinary repairs,	214.53	
		637.75
Parker St.		
Heating,	41.31	
Ordinary repairs,	77.07	
		118.38
H. M. Knowlton School		
Ordinary repairs,	112.49	
Metal ceilings (2 class-rooms),	283.00	
		395.49
Middle St.		
Ordinary repairs,		21.65
Fifth St.		
Ordinary repairs,		143.25
R. C. Ingraham School		
Ordinary repairs,		101.64
J. B. Congdon School		
Retubing boiler No. 2,	341.65	
Ordinary repairs,	141.66	
		483.31
J. H. Clifford School		
Ordinary repairs,		109.17
Thomas Donaghy School		
Grates for boiler No. 2,	110.00	
Ordinary repairs,	44.93	
		154.93
William H. Taylor School		
Retubing boiler No. 2,	155.65	
Ordinary repairs,	81.02	
		236.67
T. R. Rodman School		
Grates for No. 1 and No. 2 boilers,	182.00	
Ordinary repairs,	63.98	
		245.98
Jireh Swift School		
Painting corridors and stairways,	354.00	
Metal ceilings (2 class-rooms)	295.00	
Ordinary repairs,	80.22	
		729.22

Abraham Lincoln School		
Ordinary repairs,		126.59
Betsey B. Winslow School		
Ordinary repairs		37.92
Harrington School		
Granolithic walks,	232.39	
Painting west corridor,	115.00	
Ordinary repairs,	113.51	
		460.90
Katharine St. School		
Ordinary repairs,		107.35
Phillips Ave. School		
Ordinary repairs,		52.56
Cedar Grove St. School		
Slate blackboards,	437.40	
Ordinary repairs,	123.88	
		561.28
Clark St. School		
Ordinary repairs,		56.12
Merrimac St. School		
Granolithic walks,	147.56	
Moving closet,	48.00	
Ordinary repairs,	88.73	
		284.29
Mary B. White School		
Painting outside,	220.00	
Painting inside,	75.00	
Ordinary repairs,	48.79	
		343.79
H. A. Kempton School		
Ordinary repairs,		50.72
Cedar St. School		
Ordinary repairs,		25.27
S. A. Howland School		
Painting outside and inside,	237.00	
Retubing boiler No. 1,	149.38	
Ordinary repairs,	98.14	
		484.52
T. A. Green School		
Retubing boiler,	181.43	
Repairing chimneys,	91.60	
Ordinary repairs,	71.05	
		344.08
Acushnet Ave. School		
Ordinary repairs,		77.37
Thompson St. School		
Ordinary repairs,		176.94

I. W. Benjamin School		
Slate blackboards,	225.00	
Ordinary repairs,	75.46	
		300.46
Dartmouth St. School		
Ordinary repairs,		45.56
George H. Dunbar School		
Ordinary repairs,		75.63
Plainville School		
Ordinary repairs,		1.73
Rockdale School		
Ordinary repairs (includes new privies),		106.31
Sassaquin School		
Ordinary repairs,		2.21
Fifth St. School		
General contract (mason and carpenter),	$4,735.00	
Iron stairs,	3,200.00	
Electric wiring,	503.25	
Plumbing and moving furnace,	1,424.00	
Gas piping,	37.87	
Extra painting,	12.36	
		9,912.48
		17,114.45

FIRE STATIONS.

No. 7	Painting and repairing,		$244.00
No. 8	New heating plant,	$2,102.00	
	Painting and repairing,	244.00	
			2,346.00
No. 9	Painting and repairing,		244.00
No. 10	Repairing copper gutters,		166.88
No. 11	Installing radiators in polling place,		112.47
No. 3	Fitting same for polling place,		180.57

POLICE STATIONS.

Central Police Station		
Repairs to boilers,	$20.51	
Setting glass,	16.80	
		39.31
Weld St. Station		
Repairing heating plant,	9.42	
Painting and gilding flagpole,	10.60	
		20.02

POLICE BARN		
Repairing roof and chimney,		67.00
MISCELLANEOUS.		
Municipal Building		
Repairs to heating plant,	30.40	
Repairs to vacuum cleaner,	48.04	
Elevator repairs,	29.13	
		107.57
Free Public Library		
Repairs to electric wiring,		116.14
Almshouse		
Repairing roof (main building),	13.32	
Repairing roof (smallpox ward),	36.00	
New water pipe to smallpox building,	47.00	
Covering roof of barn with asbestos shingles,	333.00	
Repairing chimney (main building),	132.00	
		561.32
Isolation Hospital		
Mason work,	94.10	
Repairs to heating plant,	50.30	
Plumbing work,	25.97	
Carpentry work,	62.05	
		233.32
Wharves		
Repairs to Potter building,	14.31	
City Stables		
Repairs to machine shop,	46.83	
Ward Room—Rivet St.		
Plumbing repairs,	34.54	
N. B. Water Works		
Alterations to Water St. shop property,	4,718.00	
Shingling gate house at Mt. Pleasant,	47.27	
		4,765.27
Total,		$9,299.55

As required by Section 146 of the Revised Ordinances, I hereby submit a schedule of repairs necessary to be made to city buildings during the year 1917.

High School	
Repair brick work in furnaces under boilers,	$325.00
General repairs and changes,	600.00
Parker Street School	
Ordinary repairs,	350.00
H. M. Knowlton School	
Ordinary repairs,	300.00
Metal ceilings in two rooms,	350.00
Middle Street School	
Ordinary repairs,	200.00
Fifth Street School	
Paint building outside,	300.00
Paint walls in stair towers,	300.00
Ordinary repairs,	100.00
R. C. Ingraham School	
Paint walls and ceiling in assembly hall,	350.00
Ordinary repairs,	250.00
J. B. Congdon School	
New grates in No. 1 boiler,	200.00
Repair brick work under boilers,	100.00
Paint walls and ceiling of assembly hall,	300.00
Ordinary repairs,	250.00
J. H. Clifford School	
Ordinary repairs, hedges, etc.,	400.00
Thomas Donaghy School	
Ordinary repairs,	250.00
Wm. H. Taylor School	
Ordinary repairs,	300.00
T. R. Rodman School	
Ordinary repairs,	250.00
Paint inside walls in stairway and corridors,	200.00
Jireh Swift School	
Ordinary repairs,	250.00
Abraham Lincoln School	
Repair brick work and cornices,	1,000.00
Paint outside,	300.00
Ordinary repairs,	250.00
Betsey B. Winslow School	
Garnolithic walks and grading,	1,000.00
Ordinary repairs,	200.00

Harrington School	
Ordinary repairs,	250.00
Katharine Street School	
Ordinary repairs,	200.00
Repair brick work around fresh-air rooms,	250.00
Phillips Avenue School	
Ordinary repairs,	250.00
Cedar Grove Street School	
Ordinary repairs,	300.00
Clark Street School	
Ordinary repairs,	200.00
Merrimac Street School	
Ordinary repairs,	200.00
Mary B. White School	
Ordinary repairs,	250.00
H. A. Kempton School	
Ordinary repairs,	250.00
Paint outside,	150.00
Repair brick work on chimneys,	50.00
Cedar Street School	
Slate blackboards,	450.00
Ordinary repairs and new fence,	300.00
S. A. Howland School	
Ordinary repairs,	200.00
T. A. Greene School	
Ordinary repairs,	200.00
Acushnet Avenue School	
Ordinary repairs, fence on north line and Purchase street side,	400.00
Thompson Street School	
Ordinary repairs,	200.00
I. W. Benjamin School	
Paint outside,	300.00
Ordinary repairs,	200.00
Dartmouth Street School	
Two new furnaces,	485.00
Ordinary repairs,	150.00
Geo. H. Dunbar School	
Ordinary repairs,	250.00
Plainville School	
New sanitaries,	170.00
Ordinary repairs,	50.00
Rockdale School	
New sills on all sides of building	200.00
Ordinary repairs,	50.00

School Committee Rooms	
Paint building outside, repair conductor pipes,	400.00
Ordinary repairs,	50.00
Hathaway Playground	
Paint fence, repair and paint buildings and apparatus	450.00
Total,	$15,530.00

Ordinary repairs as stated above include repairs to plumbing, reparis to heating, broken glass and general repairs around building.

At Lincoln School the semi-circular driveway from Bowditch Street should be graded and paved.

Betsey B. Winslow School—Curbing on Allen Street on line of lot, and wooden plank walks replaced by granolithic walks, yard graded to finished grade.

Katharine Street School lot has only been rough graded, curbing should be set on Orchard, Katherine, and Bonney Streets on line of lot, and yard graded and seeded on the Katharine Street side of building. Playground in rear should be graded and covered with fine screenings. Wooden walks should be replaced by permanent walks.

SCHOOL BUILDINGS.

Name of School.	Location.	Year built, enlarged or remodelled	Material	No. stories	No. rooms	Rods of land	Valuation of land	Valuation of building	Total
Middle street	Summer and Middle streets	1844	Brick	3	9†	117.26	$10,000	$25,000	$35,000
Plainville	Plainville road	1846	Wood	1	1	42.91	100	1,000	1,100
North	County road near North line	1852–1891	Wood	1	2	60.00	200	1,800	2,000
Parker street	Parker street	1852–1874–1902	Brick	2	12†	140.87	7,700	52,000	59,700
Cedar street	Cedar and Maxfield streets	1855	Wood	2	6	34.39	1,700	5,300	7,000
Dartmouth street	Dartmouth and Hickory streets	1855–1890	Wood	2	8	60.16	3,500	13,000	17,000
Rockdale	Hathaway road	1855	Wood	1	2	50.94	100	1,000	1,100
Merrimac street	Merrimac and State streets	1857	Brick	2	6	60.45	3,300	15,000	18,300
Fifth street	Fifth and Russell streets	1860–1876	Brick	3	10†	65.54	6,000	30,000	36,000
High	Summer street	1876	Brick	3	10†	133.88	11,000	100,000	111,000
Acushnet avenue,	Acushnet Avenue near Grinnell	1878–1894	Brick	2	10	82.85	6,000	44,000	50,000
Mary B. White	Maxfield and Pleasant streets	1881	Brick	2	4	31.37	4,300	21,000	25,300
Cedar Grove street	Cedar Grove street	1883–1892	Brick	2	15	118.75	5,000	31,000	36,000
Thompson street	Thompson street	1885	Brick	2	10	80.00	4,300	33,500	37,800
Harrington	Court street	1889–1900	Brick	3	11†	180.13	5,000	50,000	55,000
I. W. Benjamin	Division street	1891	Brick	2	12	110.74	6,000	28,000	34,000
Sylvia Ann Howland	Pleasant and High streets	1893–1901	Brick	2	7	51.80	9,500	55,600	65,100
Thomas A. Greene	Fourth and Madison streets	1894	Brick	2	10	63.58	5,200	53,000	58,200
Clark street	Clark street	1896	Brick	2	8	119.54	3,500	37,000	40,500
George H. Dunbar	Dunbar and Dartmouth streets	1897	Brick	2	8	140.00	2,700	40,000	42,700
Phillips avenue	Phillips avenue	1897	Brick	2	8	118.08	5,500	33,000	38,500
William H. Taylor	Brock avenue	1898–1910	Brick	2	12†	352.64	12,475	76,000	88,475
John H. Clifford	Coggeshall and Bowditch streets	1901	Brick	3	12†	210.60	12,636	71,600	84,236
Robert C. Ingraham	Blackmer street	1901	Brick	3	12†	196.11	12,000	70,000	82,000
Horatio A. Kempton	Shawmut avenue	1901	Brick	2	8	142.30	4,680	43,000	47,680
Thomas Donaghy	South street	1905	Brick	2	12	19.31	23,500	63,004	86,504
Hosea M. Knowlton	County and Coggeshall streets	1906	Brick	3	16†	432.09	11,750	95,661	107,411
James B. Congdon	Hemlock and Thompson streets	1908	Brick	3	16†	209.29	13,488	103,000	116,488
Thomas R. Rodman	Rockdale avenue and Mill streets	1908	Brick	3	10†	124.45	4,978	76,824	81,802
Jireh Swift	Acushnet avenue near Lunds corner	1909	Brick	3	10†	124.80	1,700	80,710	82,410
Abraham Lincoln	Bowditch street, north Belleville road	1911	Brick	3	20†	696.82	17,700	128,000	145,700
Twenty portable schools	In various school yards and one at Sassaquin Sanitarium	1903–1916	Wood	1	1				36,025
Betsey B. Winslow	Allen and Brownell streets	1912	Brick	2	12†	893.09	25,712	122,741	148,451
New High School	County, head of William street	1912	Brick	3	48†	401.60	60,001	509,369	569,370
Katherine street	Katherine & Bonney streets	1914	Brick	2	20†	411.97	12,233	167,081	179,314
									$2,627,166

† Assembly hall.

FIRE STATIONS

Number of Station	Location	Year Built	Material	No. Stories.	Rods of Land.	Valuation of Land	Valuation of Buildings	Totals.
No. 2	Purchase st. and Mechanics Lane	1821	Brick	2	14.22	$23,000	$25,000	$48,000
No. 9	Acushnet av. nr. Lunds corner	1861	Wood	2	8.81	200	2,300	2,500
No. 4	Sixth and Bedford streets,	1866	Brick	2	20.09	1,700	14,300	16,000
No. 1	Purchase and Franklin streets	1871	Brick	2	26.68	1,500	12,000	13,500
No. 6	Fourth st., nr. Potomska st.	1882	Brick	2	28.28	1,500	14,000	15,500
No. 7	Durfee street	1890	Brick	2	37.36	1,500	20,000	21,500
No. 5	County and Hillman streets	1892	Brick	2	23.85	3,300	20,000	23,300
No. 8	Acushnet av. and Davis street	1894	Brick	2	47.00	2,600	24,000	26,600
No. 3	Kempton and Reed streets	1906	Brick	2	35.16	2,300	21,882	24,182
No. 11	Brock av. and Mott street	1908	Brick	2	44.91	1,571	17,840	19,411
No. 10	Purchase and Cedar Grove sts.	1909	Brick	2	Part water works lot			21,963
								$232,456

POLICE STATIONS.

Name	Location.	Year Built	Material	No. Stories	Rods of Land	Valuation of Land	Valuation of Buildings	Total
Central	Second street	1822	Brick	2	44.48	$5,400	$10,000	$15,400
Willis street	Willis st., near Purchase	1850	Wood	2	12.27	1,325	2,500	3,825
Weld street	Weld street	1880	Brick	2	21.00	4,500	25,000	29,500
Blackmer st.	Blackmer and Water streets	1892	Brick	2	7.76	800	12,000	12,800
Kempton st.	Kemption and Cedar streets	1898	Brick	2	11.94	1,650	19,000	20,650
Police stable	Second street, near School street	1891	Wood	2	18.24	1,500	2,900	4,400
								$86,575

OTHER PUBLIC BUILDINGS.

Name	Location	Year Built and Remodelled	Material	No. Stories	Rods of Land	Valuation of Land	Valuation of Building	Total
*Free Public Library	William and Pleasant Sts.	1907–1910	Stone	3	87.39	$125,000	$275,000	$400,000
†Municipal Building	William and Pleasant sts.	1912	Brick	3	92.74	138,864	336,000	474,864
Almshouse Property	Clark's Point	1842	Stone-Wood	3	77 acres	46,000	54,000	110,000
City Stables	Ash Street	1877	Brick	1 & 2	456.93	8,400	57,000	65,400
Pumping Station and Lot	Purchase street	1866–1870	Stone	1	640	24,000	25,000	49,000
School Committee Headquarters	William street	1846	Wood	2	24.61	5,000	4,700	9,700
Veteran Firemen's Headquarters	High and Foster sts.	1846	Wood	2	9.83	1,000	1,300	2,300
Ward Room	Fourth street	1835	Wood	1	3.82	500	650	1.150
Ward Room	Rivet street	1896	Wood	1	4 19	500	2,000	2,500
Ward Room	Kempton, East of County St	1889	Wood	1	leased land		500	500
Water Works,	Lakeville	1895–1900	Brick-Wood				136,000	136,000
Isolation Hospital	City Farm	1904	Wood	2			41,200	41,200
Miscel. Building on City Parks, City Wharves, Cemeteries, etc.,								50,000
Old Lunds Corner Schoolhouse	Lunds Corner	1889	Wood	2	84	4,500	5,500	10,000
Sewage Pumping Station	Cove road	1913	Brick	1	city's shore property		14,180	14,180
Power and Screen house	West French avenue	1914	Brick	1	city's shore property		31,864	31,864
Public Bath Houses	West French avenue	1916	Concrete and Wood	1	Shore at Hazelwood Park		52,975	52,975
								1,451,633

* Formerly City Hall—Erected in 1838-1839.
† Easterly part formerly Free Public Library Building—erected in 1856.

Inspector of Buildings Report.

Office Superintendent Public Buildings.

BUILDING STATISTICS FOR 1916.

Total number of permits granted during the year for new buildings, alterations and repairs was 949, at an estimated cost of $4,762,081. Classified as follows :

	Permits	Estimated Cost
New dwellings (including stores and dwellings combined)	356	$1,391,350.00
New buildings and additions for manufacturing and business purposes	37	2,386,109.00
Buildings for religious and hospital purposes	2	20,000.00
Garages	192	169,430.00
Alterations and repairs	227	176,315.00
Miscellaneous buildings	123	78,465.00
	949	$4,289,869.00

GOVERNMENT BUILDINGS

New storage warehouse on State Pier	$100,000.00	
New central fire station	121,990.00	
New central police station	145,500.00	
Public bathing houses	52,975.00	
Pumping station and well (intercepting sewer)	23,186.00	
One portable house	1,917.00	
Alterations and repairs to schoolhouses and other city buildings	26,644.00	$472,212.00
Total		$4,762,081.00

Number of new tenements added 662

DWELLINGS ERECTED BY WARDS.

One	Two	Three	Four	Five	Six
170	26	13	82	35	30

CLASSIFICATION OF DWELLINGS ERECTED

One family dwellings			178
Two	"	"	84
Three	"	"	86
Four	"	"	1
Five	"	"	3
Six	"	"	4

STATISTICS FOR YEAR 1915

No. permits granted.	Estimated cost.	New dwellings erected
1012	$3,126,734	383

Showing an increase in cost of building operations in 1916 over that of 1915 of $1,635,347.

STATISTICS OF PREVIOUS YEARS.

	No. Permits	Estimated Cost	No. Dwellings Erected	No. Tenements Added
1893	340	$1,800,000	151	322
1894	369	795,860	144	361
1895	554	1,301,871	201	527
1896	794	1,687,396	378	920
1897	797	1,357,395	310	699
1898	415	490,647	81	122
1899	424	708,245	79	124
1900	402	755,401	68	102
1901	416	1,099,102	161	235
1902	470	1,968,840	164	354
1903	608	1,984,871	252	578
1904	541	1,575,552	210	447
1905	648	1,506,275	293	645
1906	672	2,450,500	296	649
1907	682	2,256,000	278	721
1908	774	2,872,300	411	1,083
1909	986	6,267,650	550	14,73
1910	1179	7,037,337	639	1,812
1911	950	2,661,063	485	1,117
1912	940	2,400,050	379	896
1913	1245	3,067,700	425	820
1914	1062	3,039,736	406	808
1915	1012	3,126,734	383	699
1916	949	4,289,869	356	662
	17,259	$56,500,394	7,100	16,176

INSPECTIONS BY THIS DEPARTMENT.

Table showing number of inspections made each month.

	New Buildings	Additions Alterations	Special	Totals
January.....	748	95	14	857
February.....	641	102	17	760
March.....	328	54	6	390
April	319	64	11	396
May	267	68	12	347
June.....	332	78	34	445
July.....	249	50	32	331
August.....	739	124	28	891
September.....	533	124	42	699
October	697	138	40	875
November	150	39	6	195
December.....	95	8	9	112
Totals	5,098	944	251	6,298

VIOLATIONS REPORTED AND CORRECTED.

Building without permit.....	31
Dangerous buildings.....	5
Dangerous chimneys.....	10
Defective construction.....	15
Flue lining omitted.....	8
Lathing without notification.....	29
Omission of fire stops	8
Miscellaneous.....	36
Total	142

ELEVATOR INSPECTION.

In accordance with Chapter 806, Acts of 1913, it shall be the duty of the Inspector of Buildings in every city of the Commonwealth to inspect all elevators in their respective cities annually, and a practical test of the safety devices and other requirements coming under this act, the Inspector to make a detailed report thereof to the Chief of the Massachusetts District Police upon forms furnished by him, and a complete record of each inspection to be kept by such Inspector; said Inspector also to issue licenses to all passenger elevators after a thorough examination as to their fitness, etc. In compliance with the above law 250 freight and 23 passenger elevators were inspected by this department during the year. A record filed of each elevator inspected and a notification sent to the owners of the changes necessary to be made to comply with the law.

INSPECTION OF STREET SIGNS.

As required by Section 16, Chapter 22, of the City Ordinances, 245 applications for permission to maintain signs extending over the public highway were forwarded to this office by the City Clerk during the year for inspection as to their method of fastening to their supporting surface, height of same and distance extending over sidewalk. Many were found to be existing contrary to law, the owner being notified of the requirements necessary to comply with the law. This required in many instances several inspections of one application.

HOTEL AND LODGING HOUSE INSPECTION.

In compliance with Sections 33, 34 and 35 of Chapter 104 of the revised laws relative to hotels and lodging houses having eight or more rooms above the second floor, I have made an annual inspection of every hotel and lodging house in the city coming within this law and reported their condition relative to safety in case of fire to the Chief of Massachusetts District Police.

Also, in accordance with Chapter 129, Acts of 1911, I have made an inspection of forty-seven houses maintained for furnishing lodging to transient persons and not licensed as an inn, in which ten or more persons are lodged notwithstanding that no price is charged for lodging and reported their condition as a matter of safety in case of fire to the Mayor and Board of Aldermen. In every case where the necessary precautions against the spread of fire and giving alarm to inmates had not been provided for, the petitioner for license to maintain such house was given leave to withdraw.

CONCLUSION.

In conclusion, I wish to express my appreciation and thanks to the Mayor and the various committees of the City Council for their cordial coöperation in all matters pertaining to the work of this department.

Respectfully submitted,

JOSEPH L. GIBBS,
Supt. Public Buildings,
Inspector of Buildings.

City of New Bedford.

In Board of Aldermen,

February 23, 1917.

Received, filed, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

February 23, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

TWENTY-SECOND

ANNUAL REPORT

OF THE

Board of Cemetery Commissioners

For the Year Ending December 3, 1916.

New Bedford, Mass.
THE J. E. BUDLONG PRESS, PRINTERS.
1 9 1 7

CEMETERY BOARD.

WILLIAM M. HIGHAM, Chairman.
JOHN G. NICHOLSON,
CHARLES H. VINAL, Secretary.

CLERK OF THE BOARD.

PARDON A. MACOMBER.

ASSISTANTS.

MISS IVAH M. HUNT
MISS ALICE G. SHAW

ASSISTANT SUPERINTENDENT.

HURLBERT E. THOMAS.

CEMETERIES.

RURAL,	Sexton, NELSON L. PIKE.
OAK GROVE	Sexton, EDMUND M. CORNELL
PINE GROVE	
GRIFFIN STREET	

CITY OF NEW BEDFORD.

OFFICE OF THE CEMETERY BOARD.

New Bedford, December 4th, 1916.

To the Honorable, the City Council of the City of New Bedford.

Gentlemen:---

In accordance with the requirement of Section 119, of the revised ordinance relative to the Department of Cemeteries, the Board of Cemetery Commissioners herewith submits its twenty-second annual report, the same being for the year ending December 3rd, 1916.

CHARLES H. VINAL,
Secretary.

FINANCIAL STATEMENT,

For the year ending December 3, 1916.

Dr.

Balance, old account,	$ 22.34
Annual appropriation,	18,000.00
Receipts, labor to December 4, 1916,	11,767.25
Receipts, labor on Perpetual Care lots,	6,945.84
	$ 36,735.43

Cr

Transferred to unappropriated funds (see City Auditor's balance),	$ 22.34
Expenditures, general,	36,686.01
Unexpended balance,	27.08
	$36,735.43

SALES OF LOTS.

Dr.

Balance, old account,	$1,285.66
Receipts, Sales of Lots to December 4, 1916.	7,290.00
	$8,575.66

Cr.

Expenditures, improvement and embellishment,	$7,161.67
Balance to new account,	1,413.99
	$8,575.66

CLASS FIED STATEMENT OF EXPENDITURES.

RURAL CEMETERY.

General labor account,	$5,594.50	
Distribution account,	3,928.43	
Supplies, tools,	143.48	
Supplies, brick, cement, lime, sand, etc.	707.33	
Supplies, fertilizer, seed, sod, etc.	134.05	
Supplies, general,	534.55	
Water,	46.87	
Avenues,	3,560.09	
New sections,	323.37	
Embellishment, shrubs,	45.00	
Pension,	349.44	
Police,	88.50	
Foundation with cement coping for fence enclosure on south boundary,	1,072.58	
Building repairs,	52.20	
		$16,580.39

OAK GROVE CEMETERY.

General labor account,	$5,194.07	
Distribution account,	1,696.35	
Supplies, tools,	71.63	
Supplies, brick, cement, lime, sand, etc.	223.80	
Supplies, fertilizer, seed, sod, etc.	126.34	
Supplies, general,	193.38	
Water,	59.96	
Avenues,	639.49	
Drain,	64.17	
Fence,	217.06	
Removing buildings,	145.71	
Police,	6.94	
		$8,638.90

PINE GROVE CEMETERY

General labor account,	$1,691.44
Distribution account,	547.78
Supplies, tools,	6.97
Supplies, brick, cement, lime, sand, etc.	123.57
Supplies, fertilizer,	52.92
Supplies, general,	271.91
Water,	5.00
Nursery,	145.41
Avenues,	41.47

New Approach,	283.69	
New Wall,	687.04	
Extension account,	3,852.91	
Embellishment,	122.30	
Water main extension,	913.12	
Accident account,	52.86	
Police,	1.50	
		$8,799.89

GRIFFIN STREET CEMETERY.

General labor account,	$ 251.94	
Supplies,	.92	
Water	5.00	
		$ 257.86

GREENHOUSE

General labor account,	$1,973.63	
Maintenance, stock and supplies,	368.67	
		$2,342.30

OFFICE

Supplies,	$ 611.08	
Telephones,	84.13	
		$ 695.21

SALARIES

Office,	$2,786.00	
Assistant Superintendent,	1,200.00	
Sexton, Rural Cemetery,	1,019.72	
Sexton, Oak Grove Cemetery,	936.00	
		$5,941.72

TELEPHONES

Oak Grove Cemetery,	$37.00	
Pine Grove Cemetery,	43.00	
Asst. Supt's residence,	16.68	
		$96.68

Automobile Account,	$ 246.47	
Road Roller account,	104.67	
Road Roller Shed account,	2.43	
Crusher account (Rural)	72.58	
Crusher account (Pine Grove),	2.06	
Crusher Account, supplies,	21.27	
		$ 449.48
Annual report account,	$ 45.25	$ 45.25

Respectfully submitted,
PARDON A. MACOMBER, Clerk.

REPORT OF CEMETERY COMMISSIONERS

The limited apportionment of funds to this department for the last two years has made it necessary for the executive head to follow along the most economical lines that the necessary work and best result possible might be accomplished.

The rapid increase in the population of our city proportionately increases the demand for greater use of the cemeteries, the constant demand for lots requires the constant preparation of new sections, which means the breaking up of new and wild land and preparing it for burial use, the extension of avenues to reach them, the removal of all obstructions, the sodding, seeding, grading, all create preliminary expense which must be met before lots can be sold and occupied.

In Rural Cemetery, the undeveloped and wooded section has long provided a natural enclosure to the south and west boundary, but development in these grounds has already reached the street lines at the south and nearly to the west boundary, so that the construction of a permanent enclosure is absolutely imperative for the protection of these grounds. Pursuant to this special requirement, this department has this year constructed 674 feet of wall foundation, with new cement coping, along the south boundary and street line of Rural Cemetery, and as soon as possible, desires to place contracts for the erection of a five foot iron fence to form a permanent enclosure and protection to lots in this section of the cemetery. As a matter of fact, the enclosure of a cemetery cannot be put too emphatically. Many have objected that the cost of adequately fencing an established cemetery is too great. The march of progress demands of cemetery officials to provide a greater service than ever before. The public is asking for beautifully laid out and well kept grounds, and in the very nature of things, these cannot be had without protection. Who would erect a beautiful monument on his lot or plant shrubs unless he had some assurance that they would receive the protection of the department in whose custody they are

placed? The great idea is to prevent the intrusion of the unwanted, grave despoilers, plant stealers, or just innocent cattle. The damage is done all the same. The Board have always considered the question of properly fencing or enclosing the grounds as one of pressing importance.

The main avenues in Rural Cemetery have been re-macadamized and Tarvia covered and are now in splendid condition, and the general fine appearance of these grounds under Sexton Pike's careful attention has caused much favorable comment during the season.

Oak Grove Cemetery has received its usual good care. Many people find great pleasure in visiting these grounds during the summer season. The park section, with its artificial ponds and attractive plant setting, flower beds and shrubbery, lend a quiet and peaceful influence to one visiting the "City of the Dead". It is well kept and offers every inducement to those who desire a suitable burial place where future care is assured.

The cemetery is equipped to do all work on lots except the erection of monumental work, and has its own greenhouse for bedding out purposes.

By reason of its limited appropriation, the Board have had to withhold further development of Pine Grove Cemetery. By a conservative use of its funds at hand, it has accomplished the installation of 1,050 feet of water pipe, connecting the older section of this cemetery with the main water supply, thus permitting the abandonment of the old water tank, the discontinuance and removal of which was warranted by reason of decay and unsightly appearance.

The boundary wall or enclosure has been continued along the property line to the west to the interception of contemplated Bowditch Street.

Early in the season the Board set aside the north half of Section 12 for the exclusive use of the Veterans of the Spanish

American War, their wives, widows and children, and petitioned for an appropriation of $2,000.00 for its development, but as no action was taken by the City Council on this petition, no furthur action can be taken until some future provision is made to develop it.

ASSISTANT SUPERINTENDENT'S REPORT.

To the Cemetery Board of the City of New Bedford:
Gentlemen:-

I herewith submit my annual report together with a statement of the work done during the fiscal year just ended, and recommendations in respect to work relative to maintenance and improvement during the approaching season.

The season of 1916 was much delayed by reason of the protracted wet weather, rendering the condition of the ground so bad as to be able to work it only with difficulty, while the grass on the lawns and lots grew so rapidly that it was quite impossible to keep it properly cut at all times. The department was also handicapped in procuring competent labor owing to the demand for the same in other lines and for which higher wages were paid than our schedule would permit, in fact it became necessary to increase wages in this department to hold those already on our pay rolls. This, together with the increased cost of material and supplies, will account for the increase in our labor charges and expenses in general.

Because of the wet season which extended long into the summer, it was necessary for special work to be set aside and the activity of the department was wholly centered in continuous grass cutting, and avenue work, and the season became well advanced before attention could be given special and development work. This, however, was finally reached and I have to state the following has been accomplished which I trust will meet your approval.

In each cemetery, a special crew was delegated to re-fill and sod all sunken graves,—this is a special work necessary to follow up each year.

4,533 square yards of macadam were finished and Tarvia covered in Rural Cemetery.

In compliance with your direction, the foundation wall with new coping of concrete along the south boundary of Rural Cemetery, on line of Matthew Street has been completed,

and is now ready for the five foot iron fence enclosure construction. The foundation of the construction of the face wall on the north boundary of Rural Cemetery, on line of Grape Street, is completed and stones from the wild land in the cemetery have been split to proper size and carted to this location, and as soon as weather conditions will permit, construction on this wall will be continued to its completion. I would suggest that work on the 18 inch drain intended to be laid in the west section of Rural Cemetery be commenced at an early date. It is necessary to lay out a perpetual care section and seems advisable to do so in this section of the grounds. If drain connections were made with the Matthew Street sewer and extended as far as possible into the cemetery, the perpetual care section could then be prepared and properly protected.

In Oak Grove Cemetery, 200 feet of 6 inch drain has been laid across property owned by Mr. Shannon, (with his permission), and connection made with Caroline Street sewer. This will relieve the usual flooded section on the east boundary, north side of Parker St., which occurs each year to the depth of several inches of surface water.

The barn, tool-house, cold frames and storage material in the southwest section of these grounds have been moved out of the cemetery proper to a location west of the boundary wall. This will much improve the appearance, and the land occupied by them can now be used for burial purposes.

I would recommend that the main avenues, now already macadamized, be covered with Tarvia next season for their preservation.

I also suggest that the picket fence enclosing the older section of this cemetery be repaired and painted.

The north boundary, now enclosed by an old field wall should be replaced by a substantial 5 feet rubble wall enclosure.

In Pine Grove Cemetery, the boundary wall has been extended to the intersection of contemplated Bowditch Street.

1,050 feet of 6 inch water main has been constructed through the new portion and connected with the distributing main in the older portion of this cemetery.

Two hundred trees and one thousand shrubs have been planted in the nursery in these grounds and will later furnish embellishing material for the several grounds.

I further recommend that additional public grounds be prepared in this cemetery as all public burials are required to be made in this cemetery, and the present public section is fast becoming consumed.

A new tool house is much needed in these grounds, and as this cemetery is quite remote from the city, I further recommend that a public toilet be provided for both men and women.

There are also needed repairs to the sexton's quarters in both Rural and Oak Grove Cemeteries. These, however, I prefer to leave to your inspection and consideration.

I herewith submit a summary of the work accomplished under my direction during the year in the several grounds.

CONSTRUCTION WORK

	Rural	Oak Grove	Pine Grove
Sq. ft. land dug over,			59,487
Lineal ft. borders fitted,	1,412	1,025	
Lineal ft. foundation and coping Matthew St.	668		
Lineal ft. foundation wall Grape St.	86		
Lineal ft. foundation for wall,			76⅔
Lineal ft. wall,			309⅔
Lineal ft. drain laid,		200	
Lineal ft. curbing,		37	
Lineal ft. water pipe 4 inch,			1,150
Sq. yds. avenues macadamized,	4,533		
Foundations for tablets,	132	71	28
Foundations for monuments,	20	23	
Foundations rebuilt,	4	4	
Neglected graves re-fitted,	11	7	
Neglected headstones re-fitted,	3	10	
Shrubs set out,	175		1,000
Trees set out,			292
Bodies entombed 1916,	27	21	11
Bodies disinterred 1916,	11	10	3
Interments made in Friends Cemetery	2		
Interments made in lots,	276	179	25
Interments made in public ground			346
Interments made in single graves,	5	3	44
Interments made in Soldiers' and Sailors' lot,	8		
Total interments, 1916,	289	182	415
Bodies remaining in tomb	7	4	1
Lots sold in 1916,	56	24	12
Graves sold in 1916,	1	1	47
Prepared lots unsold,	162	146	81
Prepared single graves unsold,			147
Value of lots unsold,	$12,815	$41,685	$4,640
Value of graves unsold,			$2,205
Headstones refitted,	3		
Brick graves built,	66	21	
Lots in annual care,	675	581	51
Lots in annual care Friends,	9		
Lots in perpetual care,**	866	638	42
Lots refitted and sodded,	3		
Lots refitted and seeded,	1		
Trees removed,	1	4	

Hedges condemned and removed,		2			
Cement numbers set,					811
**St. Mary's	63	Peckham West	16	St. Johns'	8
Congregational Church Cemetery	16	Friends			22
Griffin Street Cemetery,	1				

Respectfully submitted,
HURLBERT E. THOMAS,
Assistant Superintendent.

PERPETUAL CARE.

The growing tendency to place lots in perpetual care is becoming more popular each year as the record of our reports will show.

The necessity of a perpetual care fund is obvious. The income provides for the care of the lawn, stones and shrubs, and relieves the lot owner of that responsibility and places it where it belongs. Efforts are constantly being made to increase the perpetual care fund and unlooked for success has crowned this work. Many are availing themselves of the opportunity to place their lots in perpetual care, and others have made it a feature of their wills. It is certain that no investment will be regarded with greater satisfaction than will that sum contributed to making perpetually beautiful the home of the dead.

Amount deposited in perpetual care in 1916.

Rural Cemetery,	$5,595.00
Oak Grove Cemetery,	5,404.59
Pine Grove Cemetery,	575.00
St. Mary's Cemetery,	650.00
Peckham West Cemetery,	525.00
St. John's Cemetery,	150.00
Cong. Church Cemetery	150.00
Friends Cemetery,	100.00
	$13,149.59

Total amount now standing for the perpetual care of lots is $205,406.21.

In addition to the above there are 1,316 lots in annual care.

In concluding this report, the Board desire to state their appreciation of the courtesies and consideration of the City Council and city officers, and of the faithfulness and efficiency of the various officers and employees of this department.

Respectfully submitted,
WILLIAM M. HIGHAM, Chairman,
JOHN G. NICHOLSON,
CHARLES H. VINAL, Secretary.
Board of Cemetery Commissioners

REPORT OF CARETAKER OF SOLDIERS AND SAILORS GRAVES

New Bedford, Mass.
December 4, 1916.

To the Honorable City Council of the City of New Bedford:--
Gentlemen:---

I herewith submit the following report of the work done on Soldiers and Sailors graves in the several cemeteries of the City of New Bedford, as authorized in Chap. 122, Acts of Legislature, 1914:-

Graves fitted	387
Stones fitted	23
Stones cleaned	1
Stones set	6

The grass was cut on all graves of this nature in all the cemeteries in the city, whether public or private.

The amount appropriated for this work was $300.00, and $250.20 of this amount was expended for labor and materials, leaving a balance $of 49.80.

Respectfully submitted,
HURLBERT E. THOMAS,
Caretaker of Soldiers and Sailors Graves.

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

January 25, 1917.

Received, Filed and Ordered Printed in the City Documents. Sent down for Concurrence.

W. H. B. REMINGTON,
City Clerk.

IN COMMON COUNCIL,

January 25, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

Annual Report

OF THE

CITY CLERK

OF THE

CITY OF NEW BEDFORD

MASSACHUSETTS

For the Year 1916

NEW BEDFORD, MASS.
MERCURY PUBLISHING COMPANY.
1917

ANNUAL REPORT OF CITY CLERK.

City Clerk's Office,
March 17, 1917.

To the City Council:—

The volume of financial receipts by the City Clerk's Office for the fiscal year ending Nov. 30, 1916, was $18,632.63, an increase of $1,078.01 over the previous year. The receipts in detail:—

FOR LICENSES.

Auctioneers,	$84.00
Billiards, pool, etc.,	1,574.00
Bowling alleys,	153.00
Firearms,	80.00
Carousals, skating rinks, etc.,	78.00
Fruit peddlers,	1,454.00
Fruit peddlers, badges,	10.50
Fruit peddlers, wagon plates,	35.00
Hacks and wagons,	72.50
Wagon plates,	78.50
Motor trucks,	26.00
Autos,	5.00
Intelligence office,	22.00
Junk dealers,	370.00
Junk collectors,	405.00
Junk collectors, badges,	27.50
Junk collectors, wagon plates,	61.00
Pawnbrokers,	400.00
Petroleum,	116.00
Petroleum, registration,	134.00
Gunpowder,	1.00
Gunpowder, registration,	1.50
Private detective,	10.00
Scallops,	162.00
Manufacture of sausages, etc.,	15.00
Dry cleaning, registration,	2.50
Garage,	158.00
Garage, registration,	38.50
Motor bus,	454.00
Motor bus seals,	435.00
Motor bus drivers,	463.00
Motor bus drivers' badges,	476.00

Sign permits,	203.00	
Building obstructions, etc.,	140.00	
Fish peddlers,	340.00	
Lunch vehicle,	50.00	
		$8,135.50

FEES.

Intention of marriage,	$1,334.00	
Mortgages,	322.00	
Assignment of mortgages,	2.75	
Foreclosure of mortgages,	3.00	
Discharge of mortgages,	30.50	
Bills of sale and conditional bills of sale,	60.25	
Discharge of bills of sale,	.25	
Assignment of wages,	7.25	
Married woman's certificates,	.50	
Voluntary assignments,	17.00	
Writs,	.25	
Copies of record,	739.28	
Business certificates,	15.25	
Dog fees (City's share, Ch. 102, R. L.),	555.80	
Transfers,	7.25	
Telephone toll call (reimbursement),	.10	
Record of partnership,	.75	
Power of attorney,	.75	
Lost articles recorded,	.75	
		$3,106.93
Total of licenses and fees returned to city treasury,		$11,242.43

OTHER FINANCIAL BUSINESS.

Dog fees collected and returned to County Treasurer,	$6,418.20
Breeders' license,	50.00
Breeders' license,	25.00
Hunters' licenses issued and returned to Commissioners on Fisheries and Game,	886.00
Non-resident hunters' licenses, ditto,	1.00
Non-resident hunters' licenses, ditto,	10.00
Total transactions,	$18,632.63

During the year Officer Joseph S. Manning has been detailed by the police department as inspector of minor licenses, working under the direction of the city clerk, following recommendations annually made since 1911, and the

results have been most satisfactory. Police reports on applicants for licenses are immediately forthcoming, necessary investigations can be made without delay, and the general efficiency of the licensing branch of the work of the city clerk's office has been greatly improved. In addition to his other work, the officer has served the many notices required to be served by the city clerk's office, and in general his salary has been more than saved by the various duties which he has performed, and which would otherwise have been paid for through extra hiring of service. As inspector of minor licenses, Mr. Manning has kept close watch on licensees, to the end that minor license conditions are today better lived up to than ever before. It has not been necessary to bring many prosecutions, but in such instances as it has been necessary, the courts have in every case sustained the actions.

VITAL STATISTICS.

Births, 1916,		3,651
Less than 1915,	17	
Stillborn,	137	
Marriages, 1916,		1,347
Gain over 1915,	120	
Marriage intentions, 1916,		1,355
Gain over 1915,	122	
Deaths, 1916,		2,048
Gain over 1915,	115	

The annual canvass of births, (conducted in January, 1917) showed that the number of births reported during 1916 by physicians, midwives, etc., was 97.97 per cent. of the whole number of births, leaving only 2.03 per cent. to be returned by the canvassers. This figure is particularly satisfactory when it is realized that in 1911, at which time the agitation for better and more accurate birth returns was begun, the number of reported births did not exceed 80 per cent. of the whole. At this time, physicians and midwives are co-operating splendidly with the city clerk's office, as the results show.

One of the most pleasing results of the birth reporting agitation is the attitude taken by the parents, and particularly by those of foreign birth, in the matter of timely and accurate returns. This attitude is shown by the following letter, which comes to hand on the day of writing this report, viz:

81 Davis Street,
New Bedford, Mass.,
March 16, 1917.

Dear Sir:—

Twin baby girls were born March 15, at 11.30 and 12.00 p. m. I tried to have the doctor, but it was in vain. None of the ones I wanted were home. I then had two women to attend to the case. Everything come out fine and the three are in excellent condition.

Kindly send the birth cards as soon as possible.

I remain, yours truly,

Mr. Frank Fernandes,
per John Rezendes.

The cards sent to parents in acknowledgement of birth reports are proving a valuable assistance toward the accuracy of the birth record. It often happens that the first name has not been given the child at the time when the report of birth is made to the city clerk. On the receipt of an acknowledgement card which does not contain the child's first name, nine out of ten parents immediately furnish the first name, thus completing the record.

The table showing the parentage of children born in New Bedford during 1916, which follows, is interesting, particularly when compared with a similar table covering births of 1915. It shows that the children of Portuguese parents were 22 more than during the previous year; that the children of United States parentage were 43 less; that the children of mixed parentage were 83 more, and that the children of parents born in Great Britain were 48 less. New Bedford's reputation as a cosmopolitan city is easily sustained.

PARENTAGE OF CHILDREN BORN IN 1916.

Portugal:		
Azores Islands,	740	
Portugal,	192	
Madeira Islands,	97	
Cape Verde Islands,	158	
		1187
Mixed,		783
United States,		668
Canada,		294
Austria,		210
Great Britain:		
England,	178	
Ireland,	17	
Scotland,	1	
		196
Russia,		185
Italy,		51
Greece,		34
Syria,		21
France,		5
Germany,		4
Belgium,		4
Sweden,		3
Turkey,		2
Dutch West Indies,		1
Hungary,		1
Albania,		1
Lithunia,		1
Total,		3651

ELECTIONS.

During the year there were four elections, the presidential primary, the state primary, the state election and the municipal election. The results of the state and municipal elections are given:

STATE ELECTION, NOV. 7, 1916.

FOR PRESIDENT AND VICE PRESIDENT.

Socialist—Benson and Kirkpatrick electors,	283
Prohibition—Hanly and Landrith electors,	112
Republican—Hughes and Fairbanks electors,	6315
Socialist Labor—Reimer and Harrison electors,	47
Democratic—Wilson and Marshall electors,	5313
Blanks,	723

GOVERNOR.

James Hayes, Socialist Labor, Plymouth,	136
Chester R. Lawrence, Prohibition, Boston,	136
Samuel W. McCall, Republican, Winchester,	6552
Frederick W. Mansfield, Democratic, Boston,	4818
Dan A. White, Socialist, Brockton,	301
Blanks,	850

LIEUTENANT GOVERNOR.

Calvin Coolidge, Republican, Northampton,	6718
Alfred H. Evans, Prohibition, Hadley,	211
Sylvester J. McBride, Socialist, Watertown,	366
Thomas J. Maher, Socialist Labor, Medford,	105
Thomas P. Riley, Democratic, Malden,	4204
Blanks,	1189

SECRETARY.

Thomas F. Brennan, Socialist Labor, Salem,	215
Leon R. Eyges, Democratic, Brookline,	3895
Louise Adams Grout, Socialist, Boston,	436
Albert P. Langtry, Republican, Springfield,	6688
Blanks,	1559

TREASURER.

Charles L. Burrill, Republican, Boston,	6755
Frederick E. Oelcher, Socialist Labor, Peabody,	124
Elam K. Sheldon, Socialist, Greenfield,	401
Henry N. Teague, Democratic, Williamstown,	3934
Blanks,	1579

AUDITOR.

Joseph Bearak, Socialist, Boston,	405
Frank Bohmbach, Socialist Labor, Boston,	151
Alonzo B. Cook, Republican, Boston,	6600
John B. N. Soulliere, Democratic, Worcester,	3964
Blanks and scattering,	1673

ATTORNEY-GENERAL.

Henry C. Atwill, Republican, Lynn,	6573
Joseph Joyce Donahue, Democratic, Medford,	4027
Joseph Jiskra, Socialist Labor, Milford,	104
John Weaver Sherman, Socialist, Boston,	487
Blanks,	1602

SENATOR IN CONGRESS.

John F. Fitzgerald, Democratic, Boston,	5007
Henry Cabot Lodge, Republican, Nahant,	6384
William N. McDonald, Socialist, Northampton,	400
Blanks,	1002

CONGRESSMAN—SIXTEENTH DISTRICT.

Ralph W. Crosby, Democratic, Barnstable,	3863
Joseph Walsh, Republican, New Bedford,	7479
Blanks,	1451

COUNCILLOR—FIRST DISTRICT.

Joseph M. Coldwell, Socialist, Brockton,	1450
David L. Parker, Republican, New Bedford,	8246
Blanks and scattering,	3097

SENATOR—THIRD BRISTOL DISTRICT.

Daniel T. Devoll, Democratic, New Bedford,	3919
Richard Knowles, Republican, New Bedford,	7339
Blanks,	1535

REPRESENTATIVES IN GENERAL COURT.

(Seventh Bristol District)

Alfred M. Bessette, Republican, New Bedford,	2844
D. Herbert Cook, Rep. Ind. Nom. Paper, New Bedford,	1665
George E. Lilley, Republican, New Bedford,	2900
John T. Sloane, Democratic, New Bedford,	2025
Blanks,	3340

REPRESENTATIVES IN GENERAL COURT.

(Eighth Bristol District)

Alcide A. Barabe, Democratic, New Bedford,	1055
Harrison T. Borden, Rep. Ind. Nom. Paper, New Bedford,	1334
Andrew P. Doyle, Rep. Ind. Nom. Paper, New Bedford,	2079
Arthur Goulart, Democratic, New Bedford,	844
John Halliwell, Republican, New Bedford,	3071
Arthur N. Harriman, Independent Labor, New Bedford,	1090
Paul J. Oesting, Democratic, New Bedford,	684
Ward M. Parker, Republican, New Bedford,	2372
Gilbert G. Southworth, Republican, New Bedford,	2741
Blanks,	3948

COUNTY COMMISSIONER—BRISTOL COUNTY.

Frank M. Chace, Republican, Fall River,	8423
Blanks and scattering,	4370

ASSOCIATE COUNTY COMMISSIONER—BRISTOL COUNTY.

Arthur M. Reed, Republican, Westport,	7486
Blanks and scattering,	18,100

DISTRICT ATTORNEY—SOUTHERN DISTRICT.

Joseph T. Kenney, Republican, New Bedford,	8966
Blanks and scattering,	3827

CLERK OF COURTS—BRISTOL COUNTY.

Simeon Borden, Republican, Fall River,	7806
Blanks and scattering,	4987

REGISTER OF DEEDS—BRISTOL SOUTHERN DISTRICT.

Albert B. Collins, Republican, Fairhaven,	8362
Blanks and scattering,	4431

"Shall there be a convention to revise, alter or amend the Constitution of the Commonwealth?"

Yes,	4725
No,	3306
Blanks,	4762

"Shall an act passed by the General Court in the year nineteen hundred and sixteen, to make the first day of January, known as New Year's day, a legal holiday, be approved and become law?"

Yes,	8178
No,	2478
Blanks,	2137

"Shall an act passed by the General Court in the year nineteen hundred and sixteen, entitled 'An Act to Prevent the Voters of One Political Party from Voting in the Primaries of Another Political Party' be approved and become law?"

Yes,	4936
No,	3913
Blanks,	3944

"Shall an act passed by the General Court in the year nineteen hundred and sixteen, to authorize cities to maintain schools of agriculture and horticulture and to make provision, in certain instances, for the temporary housing of persons attending the school, be accepted?"

Yes,	6006
No,	2652
Blanks,	4135

"Shall the Representatives from this district be instructed to vote for Non-contributory old age pensions, so as to have the Commonwealth pension its deserving aged citizens, women and men, over sixty-five years of age, who are unable to properly provide for themselves, and who have been residents of the Commonwealth for at least fifteen years prior to the filing of an application for a pension?"

Yes,	3561
No,	1140
Blanks,	1705

Total number of names checked on the voting list,	12,790
Certificates issued by Registrars of Voters,	3
Whole number of ballots cast,	12,793
Whole number of ballots cast in Representative District, Seventh Bristol,	6,387
Whole number of ballots cast in Representative District, Eighth Bristol,	6,406

MUNICIPAL ELECTION, DECEMBER 5, 1916.

(As Amended by Recount)

MAYOR.

Charles S. Ashley, Citizens Party, 93 State St.,	7,825
Edward R. Hathaway, Fusion Party, 106 Brigham St.,	5,742
Blanks and Scattering,	943

ALDERMAN, WARD ONE.

Samuel A. Goodfellow, Fusion Party, 198 Whitman St.,	6,343
Napoleon Ricard, Citizens Party, 129 Bowditch St.,	6,619
Blanks and scattering,	1,548

ALDERMAN, WARD TWO.

James F. Collins, Citizens Party, 27 Trinity St.,	7,744
Dominique J. Jarry, Fusion Party, 109 Bowditch St.,	5,070
Blanks and scattering,	1,696

ALDERMAN, WARD THREE.

Elzear H. Choquette, Citizens Party, 8 Robeson St.,	7,128
Edward O. Knowles, Fusion Party, 556 County St.,	5,839
Blanks,	1,543

ALDERMAN, WARD FOUR.

John H. Aindow, Fusion Party, 271 Palmer St.,	5,676
Clifton W. Bartlett, Citizens Party, 12 Orchard St.,	7,184
Blanks and scattering,	1,650

ALDERMAN, WARD FIVE.

Samuel E. Bentley, Fusion Party, 106 South St.,	5,944
Charles M. Carroll, Citizens Party, 8 Hawthorn Terrace,	7,012
Blanks,	1,554

ALDERMAN, WARD SIX.

Thomas Kirkham, Citizens Party, 835 Brock Ave.,	6,193
Albert Lees, Independent, 65 Woodlawn Ave.,	2,068
James O'Rourke, Fusion Party, 185 Division St.,	4,643
Blanks and scattering,	1,606

ASSESSOR-AT-LARGE, THREE YEARS.

Joseph H. Handford, Citizens, Fusion, 26 Rotch St.,	10,761
Blanks and scattering,	3,749

SCHOOL COMMITTEE, THREE YEARS.

Clarence A. Cook, Public School Assoc., 277 Union St.,	6,174
Joseph Eccleston, Independent, 9 Jenny Lind St.,	6,704
Edgar B. Hammond, Public School Assoc., 66 North St.,	4,962
Henry J. Parker, Independent, 175 County St.,	4,900
Blanks and scattering,	6,280

COMMON COUNCILMEN, WARD ONE.

Arthur A. Audette, Fusion Party, 1205 Acushnet Ave.,	1,007
Eugene E. Barthelemy, Citizens Party, 250 Tinkham St.,	1,144
Rodolphe J. Carrier, Citizens Party, 1220 Acushnet Ave.,	1,206
James M. Hughes, Citizens Party, 162 Nash Rd.,	1,138
Herbert Jenkinson, Citizens Party, 1602½ Acushnet Ave.,	978
George D. Lacroix, Fusion Party, 119 Tallman St.	1,026
Ludger Levasseur, Independent, 183 Whitman St.,	283
John T. Sloane, Fusion Party, 433 No. Front St.,	884
Burgoyne Woolley, Fusion Party, 185 Whitman St.,	924
Blanks,	1,358

COMMON COUNCILMEN, WARD TWO.

Aldei Casavant, Citizens Party, 341 Coggeshall St.,	1,047
Alfred Caton, Citizens Party, 18 Bannister St.,	982
Jeremiah Coughlin, Citizens Party, 24 Penniman St.,	1,135
Rock Dupre, Fusion Party, 7 Bentley St.,	807
John H. Hollihan, Fusion Party, 79 Richmond St.,	998
James McCarthy, Fusion Party, 13 Willow St.,	922
Daniel J. Sullivan, Citizens Party, 666 Cottage St.,	1,265
Fielding H. Walsh, Fusion Party, 21 Ashland Place,	915
Blanks,	1,597

COMMON COUNCILMEN, WARD THREE.

John A. Chase, Fusion Party, 373 Cottage St.,	795
George T. Duckworth, Citizens Party, 137 Smith St.,	1,340
Edward T. Glennon, Fusion Party, 545 Cottage St.,	802
William H. Loughlin, Citizens Party, 60 Parker St.,	1,172
Frederick C. Luce, Citizens Party, 128 Campbell St.,	1,334
James P. McCormick, Fusion Party, 71 Locust St.,	630
Frank A. McNulty, Citizens Party, 131 Parker St.,	1,157
Henry C. Perry, Jr., Fusion Party, 671 County St.,	776
Blanks,	1,558

COMMON COUNCILMEN, WARD FOUR.

Hugh Donaghy, Fusion Party, 218 Brownell St.,	823
Charles L. Fisher, Fusion Party, 361 Arnold St.,	858
William J. Francis, Citizens Party, 173 Rounds St.,	1,128

Edward J. Harrington, Citizens Party, 327 Court St.,	1,123
W. Seymour Langshaw, Citizens Party, 152 Cottage St.,	1,077
John B. Oliver, Independent, 297 Cottage St.,	124
Louis N. Schuler, Citizens Party, 198 Cottage St.,	1,146
Thomas H. Shanks, Fusion Party, 654 Kempton St.,	791
Louis B. Taber, Fusion Party, 318 Court St.,	750
Blanks,	1,444

COMMON COUNCILMEN, WARD FIVE.

Robert Lee Baylies, Citizens Party, 85 Bedford St.,	1,358
Harrison T. Borden, Citizens Party, 154 Fair St.,	1,387
William W. Foley, Jr., Fusion Party, 1 Cottage St.,	713
Edgar W. Kirby, Fusion Party, 300 County St.,	670
John McCullough, 3d, Citizens Party, 38 So. Sixth St.,	1,305
Julius Shuster, Fusion Party, 353 So. First St.,	586
Wayland L. Sturtevant, Fusion Party, 14 Ward St.,	682
Frank Whittaker, Citizens Party, 93 So. Sixth St.,	1,270
Blanks,	1,565

COMMON COUNCILMEN, WARD SIX.

William Bond, Citizens Party, 104 Butler St.,	1,058
Frank J. Cambra, Jr., Fusion Party, 518 Rivet St.,	886
Edward DeMello, Citizens Party, 93 Sidney St.,	849
William Joseph Harnish, Fusion Party, 15 Ruth St.,	1,055
Joseph Gerrard, Citizens Party, 637 So. First St.,	904
Thomas H. Gibson, Independent, 25 Viall St.,	224
Abraham Murgatroyd, Fusion Party, 444 Brock Ave.,	1,010
Richard Proctor, Independent, 16 George St.,	318
Odilon Rousseau, Fusion Party, 197 Rivet St.,	1,094
Paul St. Lawrence, Citizens Party, 18 Swift St.,	945
Blanks,	1,721

ASSISTANT ASSESSOR, WARD ONE.

Joseph A. Dionne, Citizens, Fusion, 1205 Acushnet Ave.,	1,894
Blanks and scattering,	592

ASSISTANT ASSESSOR, WARD TWO.

James H. Holden, Citizens, Fusion, 874 County St.,	1,568
James H. Whalley, Independent, 26 Peckham St.,	526
Blanks and scattering,	323

ASSISTANT ASSESSOR, WARD THREE.

Albert W. Goodwin, Citizens, Fusion, 344 Cedar St.,	1,753
Blanks,	638

ASSISTANT ASSESSOR, WARD FOUR.

Roland A. Leonard, Citizens, Fusion, 26 Seventh St.,	1,748
Blanks and scattering,	568

ASSISTANT ASSESSOR, WARD FIVE.

Frederick D. Sowle, Citizens, Fusion, 70 So. Sixth St.,	1,726
Blanks and scattering,	658

ASSISTANT ASSESSOR, WARD SIX.

Edward Devlin, Independent, 132 Purchase St.,	406
George Johnson, Citizens Party, 719 Brock Ave.,	853
John B. Roberts, Fusion Party, 72 Delano St.,	992
Blanks,	265

"Shall licenses be granted for the sale of intoxicating liquors in this city?"

Yes,	7,105
No,	6,609
Blanks,	796

Whole number of names checked on voting list:

Men,	13,996	
Women,	507	
Certificates issued,	7	
Total number of ballots cast,		14,510

Respectfully submitted,

W. H. B. REMINGTON,

City Clerk.

In Board of Aldermen,

March 22, 1917.

Received, placed on file, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON, City Clerk.

In Common Council,

March 22, 1917.

Concurred.

CHARLES P. SAWYER, Clerk.

THE

Auditor's Annual Report

OF THE

Receipts and Expenditures

OF THE

CITY OF NEW BEDFORD

MASSACHUSETTS

For the Year

1916

NEW BEDFORD
THE J. E. BUDLONG PRESS, PRINTERS
1 9 1 7

THE CITY OF NEW BEDFORD.

OFFICE OF THE CITY AUDITOR.
June 14, 1917.

The Honorable City Council:—

I respectfully submit herewith a report of the receipts and expenditures of the City of New Bedford for the financial year 1916, with a statement of the bonded debt and a schedule of the city property.

CHARLES J. McGURK,
City Auditor.

ACCOUNTS	Appropriations from the Revenue of 1916	Appropriations from the Proceeds of Bond Issues and Revenue of Prior Years	Cash Receipts and Other Credits	Expenditures 1916
Bath houses	$6,000.00		$1,990.29	$6,051.84
Bath house construction		$54,243.25		52,295.56
Board of assessors	16,000.00			15,440.22
Board of health	104,000.00		14,949.99	104,113.94
Board of survey	100.00			53.73
Bonds, revenue account	528,047.92		828,243.25	514,045.16
Bridge, Turner's pond				486.42
Bridges	10,000.00			10,856.94
Cemetery board	18,000.00		18,713.09	36,686.01
Cemetery, 6% income fund			1,604.10	1,406.15
Cemeteries, sale of lots			7,290.00	7,161.67
City auditor	7,500.00			7,332.92
City clerk	15,150.00		11,249.53	15,124.54
City council	4,500.00			3,522.28
City forestry	6,000.00			4,571.48
City messenger	23,500.00		11.73	23,526.99
City property committee	4,800.00			4,371.88
City property sales			20,234.70	
City physician	550.00			550.00
City solicitor	5,100.00			5,106.33
City treasurer and collector	17,000.00		2,527.39	16,725.19
Clerk of committees	3,500.00			3,494.12
Committee on claims	500.00			346.01
Court judgments	557.37	4,234.48		3,763.59
Cove road retaining wall				247.76
Dental clinic	2,500.00			2,513.45
Department of wharves	1,600.00		4,429.34	3,381.89
Elections	8,000.00			9,312.49
Engineering department	22,000.00		596.31	21,997.42
Fire department	162,,000.00		759.83	160,008.70
Fire station		167,924.65		66,272.90
Garbage collection			12.25	8,278.92
Harbor master	352.00			352.00
Highways	210,000.00		112,812.32	328,090.79
Highways improvement	2,293.10	328,000.00	61,373.49	355,999.27
Highways macadam		50,000.00	6,377.31	61,037.06
Inspector of animals	100.00			100.00
Inspector of buildings	9,400.00			9,345.95
Inspector of wires	11,000.00			8,882.11
Interest	360,748.08		20,198.01	368,325.27
Labor service registrar	400.00			362.75
Land damages		10,798.35		10,798.35
Licensing board	3,000.00		2,935.25	3,010.87
Liquor licenses			124,290.78	31,073.07
Mayor	8,000.00		260.00	7,641.33
Memorial day	1,100.00			1,099.80
Military aid	2,000.00		1,852.50	2,738.00
Militia	1,000.00			896.39
New Bedford industrial school	46,000.00		12,390.33	46,005.23
New Bedford textile school	10,000.00			10,000.00
New Bedford water works			372,167.69	364,919.63
Notes, temporary loans			2,250,000.00	2,250,000.00
Park commission	33,000.00		301.15	33,004.09
Playgrounds	3,000.00			2,998.10
Police	204,500.00		6,272.87	211,122.87
Police station		195,101.50		57,255.75
Poor	120,000.00		35,794.80	163,886.10
Pope's Island sea wall		9,967.17		3,838.47
Premium on bonds			12,575.35	1,042.65
Public library	27,000.00		1,112.00	27,033.77
Public library, dog fund			2,698.98	2,709.64
Public library, J. B. Congdon fund			20.00	
Public library, G. O. Crocker fund			400.00	400.95
Public library, Oliver Crocker fund			40.00	40.10
Public library, G. Howland, Jr., fund			64.00	152.89
Public library, S. A. Howland fund			2,027.08	3,585.79
Public library, C. W. Morgan fund			40.00	136.06
Public library, C. L. Wood fund			80.00	284.05
Public library, Kempton fund			11,110.00	9,849.30
Public schools, Bourne prize fund			60.00	60.00
Public schools, S. A. Howland fund			2,027.08	2,967.68
Public schools, dog fund			2,698.97	2,415.33
Public schools, incidentals	116,000,00		3,200.30	119,873.18
Public schools, pay of teachers	387,000.00			382,666.02
Public schools, repairs of buildings	7,000.00			7,203.72
Public schools, Katherine street equipment				58.00
Public schools, new portable		2,000.00		1,923.90
Public schools, new schoolhouse		13,041.00		12,923.95
Refunds and duplications			651.77	534.30
Registrars of voters	4,000.00			4,370.84
Rent, G. A. R. headquarters	750.00			542.34
Revision of ordinances	3,500.00			2,865.97
Rifle range		10,000.00		10,183.96
Sealer of weights and measures	2,800.00		1,103.00	2,812.42
Sewer assessments			8,253.68	
Sewer construction		112,537.18	1,927.51	105,092.78
Sewage disposal, C. 474, 1910		152,000.00	988.57	161,036.59
Sewer entry fees			370.00	
Sewers and drains	15,000.00		30,679.01	43,261.53
Shellfish commission	865.62			865.62
Sinking funds	38,320.87	20,108.13		58,429.00
Sinking fund commissioners	450.00			411.02
Soldiers burials			850.00	799.70
Soldiers and sailors graves	300.00			250.20
Soldiers relief	23,000.00			23,499.42
State aid			12,086.00	9,764.00
Street lighting	112,000.00			110,930.32
Street widening assessments			20,737.54	27,000.00
Summons due collectors			94.00	103.00
Taxes, 1916, city			2,094,824.65	
Taxes, 1916, corporation			310,514.54	
Taxes, 1916, county			135,224.71	135,224.71
Taxes, 1916, state			187,520.00	187,520.00
Taxes, 1916, national bank			4,870.42	
Taxes, 1916, non-resident bank			45,990.04	45,990.04
Taxes, 1916, ship excise			13.00	
Taxes of prior years			202,737.94	
Vital statistics	2,500.00			2,649.75
Totals	$2,733,284.96	$1,129,955.71	$7,022,228.44	$6,951,294.24
City Treasurer, Special Receipts and Disbursements:				
Cash discrepancies			478.55	354.30
Cemetery, perpetual care deposits			13,194.59	13,149.59
Department advances			656.53	656.53
Highway deposits			13,259.07	12,695.51
Kempton fund advances			9,883.89	11,110.00
Salary advances			12,464.40	12,503.75
Sewer deposits			12,249.25	11,653.00
Payroll tailings			275.55	
			$7,084,690.27	$7,013,416.92
Unpaid warrants			202,899.90	221,799.41
Cash			365,336.01	417,709.85
Totals			$7,652,926.18	$7,652,926.18

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
Taxes.			
1916. Property	$2,060,658.65		
Polls	34,166.00		
Corporation	293,586.99		
Street railways	16,927.55		
National bank from state	4,870.42		
Ships in foreign trade	13.00		
Prior Years. Property	186,398.74		
Polls	16,339.20		
Total	$2,612,960.55		$2,612,960.55
Licenses and Permits.			
Licenses			
Amusements	$ 338.00		
Auctioneers	84.00		
Billiards and bowling	1,727.00		
Firearms and gunpowder	82.50		
Fruit and fish pedlers	1,839.50		
Hacks, wagons and motor vehicles	2,010.00		
Intelligence offices	22.00		
Itinerant venders	150.00		
Junk	863.50		
Liquor	93,217.71		
Milk, provisions and slaughter	313.50		
Pawnbrokers	400.00		
Petroleum	250.00		
Private detectives	10.00		
Sunday	1,790.00		
Victuallers	1,135.00		
Permits			
Marriage	1,334.00		
Scallops	162.00		
Sausage	15.00		
Signs	203.00		
Garage	196.50		
Building obstructions	140.00		
Dry cleaning	2.50		
Total	$106,285.71		$106,285.71
Fines and Forfeits.			
Court fines	$6,099.06		
Total	$6,099.06		$6,099.06
Grants and Gifts.			
Pedlers licenses, from state	$ 250.00		
Industrial school, from state	12,390.33		
Bristol county, dog licenses	5,397.95		
Total	$18,038.28		$18,038.28

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
Special Assessments.			
Street widenings	$20,737.54		
Sewer construction		$8,253.68	
Total	$20,737.54	$8,253.68	$28,991.22
Privileges.			
Street railway excise tax	$13,979.59		
Lunch cart	50.00		
Total	$14,029.59		$14,029.59
Departmental.			
General Government			
City clerk, fees	$1,780.03		
City property sales		$126.57	
City collector, fees and costs	2,127.39		
Licensing board, fees	10.25		
Engineering office, sales	582.63		
City messenger, sales	11.73		
Total	$4,512.03	$126.57	$4,638.60
Protection of Life and Property.			
Fire department, sales	$ 542.45	$20,108.13	
City sealer, fees	1,101.08		
Total	$1,643.53	$20,108.13	$21,751.66
Health and Sanitation			
Board of health, reimbursements	$14,636.69		
Sewer entry, fees	370.00		
Sewers and drains, miscellaneous	11,268.89		
Total	$26,275.58		$26,275.58
Highways and Bridges			
Sales and service	$14,031.46		
Highway construction		$14,787.07	
Total	$14,031.46	$14,787.07	$28,818.53
Charities			
Almshouse, sale of products	$1,239.22		
Reimbursements from persons	1,316.84		
Reimbursements from other cities and towns	8,103.14		
Reimbursements from state	24,731.46		
Total	$35,390.66		$35,390.66

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
Soldiers Benefits			
Burial of soldiers	$ 850.00		
Military aid	1,852.50		
State aid	12,086.00		
Total	$14,788.50		$14,788.50
Education			
Tuition, schools	$3,096.75		
Miscellaneous sales	245.50		
Industrial school, tuition	4,805.55		
Rent, school halls	52.50		
Total	$8,200.30		$8,200.30
Libraries			
Fines	$1,112.00		
Total	$1,112.00		$1,112.00
Recreation			
Bathing houses, fees	$1,990.29		
Parks, rent	150.00		
Parks, sales	151.15		
Total	$2,291.44		$2,291.44
Total, Departmental			$143,267.27
Public Service Enterprises.			
New Bedford Water Works			
Receipts from sales of water	$326,529.26		
Receipts from other sources	32,310.81		
Total	$358,840.07		$358,840.07
Department of Wharves			
Wharfage	$2,273.43		
Dockage	318.66		
Rents	1,623.97		
Water	213.28		
Total	$4,429.34		$4,429.34
Total, Public Service Enterprises			$363,269.41
Cemeteries			
Care of lots and graves	$17,107.59		
Sale of lots		$7,290.00	
Total, Cemeteries	$17,107.59	$7,290.00	$24,397.59

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
Interest			
On assessments	$ 823.84		
On bank deposits	12,804.06		
On deferred taxes	5,558.47		
On library funds	13,781.08		
On school funds	2,067.08		
Total	$35,034.53		$35,034.53

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Indebtedness	Total
Municipal Indebtedness			
Temporary loan, revenue of 1916..		$2,250,000.00	
Building construction bonds.....		56,243.25	
Fire station bonds.....		140,000.00	
Highway improvement bonds.....		295,000.00	
Highway macadam bonds.....		50,000.00	
Land damage and bridge bonds...		25,000.00	
Rifle range bonds.....		10,000.00	
Sewer construction bonds.....		252,000.00	
Premium on bonds sold.....		12,575.35	
Unpaid warrants of current year..		202,899.90	
Total Municipal Indebtedness.....		$3,293,718.50	$3,293,718.50

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Outlays	Temporary Accounts	Total
Agency and Trust Funds.			
Agency			
State tax		$186,480.00	
Grade crossing tax		1,040.00	
County tax		135,224.71	
Non-resident bank tax		45,990.04	
Liquor licenses for state		31,073.07	
Trust			
Cash discrepancies		$ 478.55	
Payroll tailings		275.55	
Cemetery, perpetual care deposits		13,194.59	
Highway deposits		13,259.07	
Sewer deposits		12,249.25	
Summons due collectors		94.00	
Department advances returned		656.53	
Salary advances returned		12,464.40	
Kempton fund advances returned		9,883.89	
Total		$462,363.65	$462,363.65
Refunds.			
Accrued interest		$1,011.44	
Liquor license		508.52	
Sundry departments		263.23	
Total		$1,783.19	1,783.19
Total cash receipts			$7,110,238.55
Service and interest transfer receipts			177,351.62
			$7,287,590.17
Cash.			
Cash at beginning of the year			365,336.01
Total			$7,652,926.18

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
DEPARTMENTAL.			
General Government.			
City Council.			
Salaries of aldermen (6)	$600.00		
Salary of clerk of common council	499.92		
Compensation of pages	174.00		
Advertising	446.02		
Carriage hire	320.75		
City council calendar	350.95		
City documents	455.60		
Committee expenses	179.84		
Plant decorations	45.00		
Printing	58.00		
Recording deeds and filing plans	78.95		
Special services	273.00		
Miscellaneous charges	40.25		
Total	$3,522.28		$3,522.28
Mayor.			
Salary of mayor	$4,999.92		
Salary of secretary to mayor	1,316.00		
Advertising	32.66		
Carriage hire	79.50		
Furniture and fixtures	130.35		
Office expenses	153.62		
Printing and stationery	97.35		
Telephone and telegraph charges	176.78		
Traveling expenses	655.15		
Total	$7,641.33		$7,641.33
Auditor.			
Salary of auditor	$2,500.00		
Salary of assistant	1,800.00		
Clerk hire	2,215.18		
Furniture and fixtures	191.05		
Office and traveling expenses	45.40		
Printing and stationery	489.57		
Surety bond	30.00		
Telephone service	61.72		
Total	$7,332.92		$7,332.92

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Treasurer and Collector.			
Salary of treasurer and collector..	$3,500.11		
Clerk hire	9,916.75		
Driver for paymaster	141.00		
Carriage hire	982.95		
Legal financial opinions	104.00		
Office and traveling expenses	255.70		
Postage	503.00		
Printing and stationery	561.46		
Surety bonds	636.30		
Telephone and telegraph charges..	123.92		
Total	$16,725.19		$16,725.19
Assessors.			
Salary of assessors (3)	$6,000.00		
Payrolls, assistants	2,912.50		
Clerk hire	4,525.53		
Advertising	50.13		
Carriage hire	288.00		
Fixtures and furnishings	63.75		
Office and traveling expenses	237.18		
Printing and stationery	1,221.61		
Special services	90.00		
Telephone service	51.52		
Total	$15,440.22		$15,440.22
City Clerk.			
Salary of city clerk	$3,000.00		
Salary of assistant	1,500.00		
Clerk hire	7,249.00		
Advertising	384.72		
Fixtures and furnishings	346.10		
License plates and badges	225.60		
Office and traveling expenses	518.00		
Postage	349.25		
Posting notices	38.42		
Printing and stationery	1,371.11		
Telephone and telegraph charges..	142.34		
Total	$15,124.54		$15,124.54

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Clerk of Committees.			
Salary of clerk of committees	$1,500.00		
Stenographer and clerk	1,092.00		
Municipal manual	279.80		
Office and traveling expenses	101.21		
Printing and stationery	332.68		
Telephone and telegraph charges	188.43		
Total	$3,494.12		$3,494.12
City Solicitor.			
Salary of city solicitor	$3,000.00		
Other attorneys	575.00		
Expert services and fees	119.45		
Office and traveling expenses	411.79		
Stationery and books	240.60		
Stenography	467.50		
Telephone and telegraph charges	242.49		
Typewriter	49.50		
Total	$5,106.33		$5,106.33
City Messenger.			
Salary of city messenger	$ 500.00		
Payrolls, municipal building	$14,374.01		
Care of grounds and walks	72.02		
Decorating building	146.20		
Engine room charges	351.24		
Fuel	3,680.72		
Furniture and fixtures	142.50		
Ice	223.45		
Janitor and toilet supplies	469.17		
Laundry	213.52		
Light and power, commercial	876.26		
Machinery repairs	517.01		
Miscellaneous supplies	114.10		
Pensions	910.00		
Printing and stationery	70.75		
Stock and labor, repairs	231.95		
Telephone charges	108.66		
Traveling and office expense	78.30		
Water rates	447.13		
Total	$23,526.99		$23,526.99

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Elections.			
Pay of precinct officers	$4,409.00		
Clerical services	46.48		
Janitors and watchmen	87.90		
Advertising	826.34		
Booths and boxes	368.88		
Carriage hire	372.75		
Polling places, rent	750.00		
Polling places, equipment	945.05		
Posting notices	17.50		
Printing and stationery	1,488.59		
Total	$9,312.49		$9,312.49
Registrars of Voters.			
Salaries of registrars (4)	$1,500.00		
Clerk hire	1,043.40		
Recount assistants	38.08		
Advertising	338.00		
Furniture and fixtures	120.64		
Office expenses	59.72		
Printing and stationery	1,175.18		
Telephone charges	95.82		
Total	$4,370.84		$4,370.84
Licensing Board.			
Salaries of board (3)	$1,500.00		
Clerk hire	939.00		
Advertising	59.85		
Carriage hire	41.50		
Fixtures and furnishings	125.60		
Printing and stationery	284.90		
Telephone and tolls	60.02		
Total	$3,010.87		$3,010.87

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Engineering Department.			
Salary of city engineer	$3,000.00		
Compensation of assistants	14,658.30		
Clerk hire	1,198.00		
Advertising	17.20		
Drawing instruments and supplies	816.63	$470.57	
Furniture and furnishings	52.50		
Motor maintenance	145.00		
Office supplies and expenses	182.23		
Printing and stationery	465.38		
Stock and labor miscellaneous	189.09		
Telephone and telegraph charges	124.19		
Transportation	678.33		
Total	$21,526.85	$470.57	$21,997.42
Superintendent of Public Buildings Inspector of Buildings.			
Salary of superintendent and inspector	$2,499.64		
Compensation of assistants	3,639.23		
Clerk hire	1,404.00		
Automobile exchange and maintenance	482.95	$500.00	
Car tickets	120.00		
Office and traveling expenses	354.44		
Telephone and telegraph charges	115.33		
Printing and stationery	230.36		
Total	$ 8,845.95	$500.00	$9,345.95
City Property Committee.			
Advertising	$ 510.89		
Committee expenses	410.48		
Municipal building charges	74.64		
Police station plans	453.74		
Police buildings, charges	1,224.84		
Almshouse buildings, charges	465.00		
Fire station, charges	108.86		
Skating ponds, maintenance	786.34		
Wardrooms, land rent	125.00		
Ward rooms, maintenance	171.50		
Bathing houses, charges	40.59		
Total	$4,371.88		$4,371.88
Total, General Government			$150,323.37

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Protection of Life and Property.			
Police Department.			
Payrolls, weekly department	$194,137.04		
Payrolls, reserve police	4,617.31		
Keeper of lockup	100.00		
Labor, women's lockup	182.20		
Dusbursements by chief	78.00		
Fuel	1,155.88		
Furniture and fixtures	60.00		
Janitor supplies	142.98		
Laundry	144.60		
Lighting	991.48		
Meals for prisoners	360.04		
Printing and stationery	308.15		
Repairs to station	169.38		
Rent, women's lockup	230.04		
Signal system, maintenance	2,005.31		
Signal system, ambulance		$2,990.00	
Surgical and medical charges	864.22		
Telephone and telegraph charges	759.96		
Traveling and office expenses	368.65		
Uniform repairs, equipment and insignia	276.44		
Use of motor boats and cycles	1,069.25		
Water rates	111.94		
Total	$208,132.87	$2,990.00	$211,122.87
New Central Police Station.			
Land		$47,254.50	
Architect fees		5,092.50	
Building contractor		4,908.75	
Total		$57,255.75	$57,255.75

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Fire Department.			
Department payrolls	$137,635.65		
Protecting society	200.00		
Accident account	522.00		
Advertising	220.48		
Committee, travel and expenses	290.50		
Equipment and supply charges	769.13	$2,408.17	
Fuel	2,790.78		
Furniture and furnishings	144.43		
Harness repairs and supplies	60.86		
Horse hire and maintenance	4,730.99		
Laundry	138.45		
Lighting	1,690.12		
Motor maintenance	1,797.29		
Printing and stationery	481.62		
Repair of apparatus	773.30		
Repair of stations	1,386.51	755.17	
Signal system charges	450.10		
Supplies, miscellaneous	1,310.36		
Telephone and telegraph charges	863.86		
Tools and repairs	262.96		
Water rates, stations	325.97		
Total	$156,845.36	$3,163.34	$160,008.70
New Central Fire Station.			
Architect fees		$4,269.65	
Building contractor		60,231.00	
Electrical contractor		1,772.25	
Total		$66,272.90	$66,272.90
Militia.			
Advertising	$ 46.06		
Boat station expenses	9.36		
Committee expenses	65.75		
Expenses qualifying marksmen	249.25		
Targets and stickers	71.19		
Rifle range		$454.78	
Total	$441.61	$454.78	$896.39

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
New Rifle Range.			
Land		$5,745.96	
Target butts		4,438.00	
Total		$10,183.96	$10,183.96
Inspector of Wires.			
Salary of inspector	$1,500.00		
Compensation of assistants	2,108.48		
Clerk hire	640.00		
Police system payrolls	1,872.00		
Police system charges	1,166.69		
Automobile hire and maintenance	298.15		
Office and traveling expenses	753.42		
Printing and stationery	367.22		
Stock, labor and supplies	32.84		
Telephone and telegraph charges	143.31		
Total	$8,882.11		$8,882.11
Sealer of Weights and Measures.			
Salary of sealer	$1,200.00		
Advertising	65.07		
Office and traveling expenses	32.23		
Printing and stationery	91.73		
Teaming	1,071.50		
Telephone and telegraph charges	33.36		
Tools, seals and fixtures	318.53		
Total	$2,812.42		$2,812.42
City Forestry.			
Labor and teaming	$4,230.61		
Tools and repairs	161.79		
Miscellaneous supplies	179.08		
Total	$4,571.48		$4,571.48
Total, Protection of Life and Property.			$522,006.58

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Health and Sanitation.			
Board of Health.			
Salaries of the board (3)	$1,500.00		
Clerk hire	1,859.75		
Agent, salary	2,200.08		
Bacteriologist	1,000.08		
Department nurses	988.00		
Health officers	3,368.44		
Medical inspector	1,375.02		
Medical school inspectors	4,000.80		
Medical school employment inspector	800.00		
Milk and provision inspector	1,700.00		
Milk collectors and fumigators	474.00		
Occulist	1,996.13		
Plumbing inspectors	3,086.52		
School nurses	820.00		
Advertising	402.12		
Carriage hire and car tickets	933.42		
Chemicals and medical supplies	667.28		
Child welfare expenses	55.00		
Garbage removal, contract	22,676.66		
Office supplies and expenses	186.21		
Printing and stationery	621.64		
Telephone and telegraph charges	307.69		
Towboat charges, port physician	105.00		
Traveling expenses	901.29		
Vaccination fees	709.00		
Contagious diseases, hospitals	2,204.60		
Contagious diseases, nurses	870.19		
Contagious diseases, other towns	945.44		
Contagious diseases, physicians	70.00		
Contagious diseases, rents	108.69		
Contagious diseases, supplies	117.38		
Tuberculosis, hospitals	41,560.48		
Tuberculosis, compensation	37.00		
Tuberculosis, nurses	52.50		
Tuberculosis, other towns	240.80		
Tuberculosis, rents	17.65		
Tuberculosis, supplies	1,325.13		
Tuberculosis, transportation	331.56		
Isolation hospital, furnishings	174.13		
Isolation hospital, nurses	322.12		
Isolation hospital, repairs	271.82		
Isolation hospital, wages	1,258.44		
Isolation hospital, supplies	1,194.41		
Pest house, attendants	88.75		
Pest house, furnishings	36.45		
Pest house, repairs	134.62		
Pest house, supplies	17.65		
Total	$104,113.94		$104,113.94

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Garbage Removal.			
Payrolls, labor and teaming	$7,941.26		
Other labor and teaming	296.68		
Repairs and tools	15.38		
Miscellaneous charges	25.60		
Total	$8,278.92		$8,278.92
Inspector of Animals.			
Expenses of inspector	$100.00		
Total	$100.00		$100.00
City Physician.			
Salary of city physician	$550.00		
Total	$550.00		$550.00
Dental Clinic.			
Attendant and caretaker	$ 703.00		
Dentists services	1,531.00		
Equipment supplies	145.99		
Office expenses	133.46		
Total	$2,513.45		$2,513.45
Vital Statistics.			
Advertising	$ 71.08		
Canvass by city clerk	699.97		
Birth and death returns	1,593.50		
Printing and stationery	285.20		
Total	$2,649.75		$2,649.75
Shellfish Commission.			
Deficiency of revenue for expenses	$865.62		
Total	$865.62		$865.62
Sewers and Drains.			
Payrolls, labor and teaming	$25,502.31		
Advertising	4.50		
Brick, cement and pipe	11,602.60		
Castings	1,788.79		
Machine repairs	1,177.34		
Miscellaneous supplies	655.34		
Motor maintenance	505.77		
Sewer rebates	5.15		
Stock and labor, other city accounts	1,204.90		
Tools and repairs	814.83		
Total	$43,261.53		$43,261.53

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Sewer, Aquidneck Street.			
Payrolls, labor and teaming.....		$1,325.17	
Labor and material, other accounts		397.59	
Miscellaneous supplies.....		49.52	
Total		$1,772.28	$1,772,28
Sewer, Arnold Street.			
Payrolls, labor and teaming.....		$1,007.46	
Labor and material, other accounts		285.10	
Total		$1,292.56	$1,292.56
Sewer, Belleville Avenue.			
Payrolls, labor and teaming.....		$ 659.20	
Labor and material, other accounts		613.60	
Total		$1,272.80	$1.272.80
Sewer, Brock Avenue.			
Payrolls, labor and teaming.....		$2,103.18	
Labor and material, other accounts		1,050.41	
Miscellaneous supplies.....		332.79	
Total		$3,486.38	$3,486.38
Sewer, Cannon Street.			
Payrolls, labor and teaming.....		$281.57	
Total		$281.57	$281.57
Sewer, Concord Street.			
Payrolls, labor and teaming.....		$182.75	
Labor and material, other accounts		84.74	
Total		$267.49	$267.49
Sewer, Conduit and Branscomb Streets.			
Payrolls, labor and teaming.....		$275.19	
Labor and material, other accounts		154.91	
Dynamite		15.75	
Total		$445.85	$445.85
Sewer, Court Street.			
Payrolls, labor and teaming.....		$899.99	
Labor and material, other accounts		323.13	
Miscellaneous supplies.....		90.24	
Total		$1,313.36	$1,313.36

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Sewer, Cove Street.			
Payrolls, labor and teaming.....		$1,227.44	
Labor and teaming, other accounts		452.68	
Construction material and supplies		406.12	
Total		$2,086.24	$2,086.24
Sewer, Cove and Water Streets.			
Payrolls, labor and teaming.....		$12,977.34	
Labor and material, other accounts		$3,195.38	
Construction material and supplies		$3,199.22	
Total		$19,371.94	$19,371.94
Sewer, Florence Street.			
Payrolls, labor and teaming..		$105.90	
Labor and material, other accounts		89.60	
Total		$195.50	$195.50
Sewer, Front Street.			
Payrolls, labor and teaming.....		$ 59.69	
Labor and material, other accounts		146.70	
Total		$206.39	$206.39
Sewer, Healey, Bates and Conduit Streets.			
Payrolls, labor and teaming.....		$6,744.56	
Labor and material, other accounts		4,452.01	
Construction material and supplies		1,846.81	
Total		$13,043.38	$13,043.38
Sewer, Kempton Street.			
Payrolls, labor and teaming.....		$271.12	
Labor and material, other accounts		163.45	
Total		$434.57	$434.57
Sewer, Lake Street.			
Payrolls, labor and teaming.....		$63.46	
Total		$63.46	$63.46
Sewer, Orchard Street.			
Payrolls, labor and teaming.....		$62.09	
Labor and material, other accounts		50.15	
Miscellaneous supplies.....		9.48	
Total		$121.72	$121.72
Sewer, Query Street.			
Labor and material, other accounts		$50.95	
Total		$50.95	$50.95

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Sewer, Rockdale Avenue.			
Payrolls, labor and teaming.....		$1,484.54	
Labor and material, other accounts		530.15	
Miscellaneous supplies.....		14.35	
Total		$2,029.04	$2,029.04
Sewer, Second Street.			
Labor and material, other accounts		$137.08	
Miscellaneous supplies.....		8.67	
Total		$145.75	$145.75
Sewer, Sharp Street.			
Payrolls, labor and teaming.....		$855.63	
Labor and material, other accounts		344.14	
Miscellaneous supplies.....		15.45	
Total		$1,215.22	$1,215.22
Sewer, Smith Street.			
Payrolls, labor and teaming.....		$827.07	
Labor and material, other accounts		310.67	
Miscellaneous supplies.....		5.90	
Total		$1,143.64	$1,143.64
Sewer, Union Street.			
Payrolls, labor and teaming.....		$211.01	
Labor and material, other accounts		104.67	
Total		$315.68	$315.68
Sewer, Winsor Street.			
Payrolls, labor and teaming.....		$ 4.47	
Labor and material, other accounts		250.93	
Total		$255.40	$255.40
Surface Drain, Cove Street.			
Payrolls, labor and teaming.....		$2,279.95	
Labor and material, other accounts		1,087.51	
Construction material and supplies		1,585.14	
Total		$4,952.60	$4,952.60
North End Separate Sewer System.			
Payrolls, labor and teaming.....		$20,940.44	
Labor and material, other accounts		6,583.88	
Construction material and supplies		16,074.61	
Total		$43,598.93	$43,598.93

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Drain, J. C. Rhodes' Lane.			
Labor and material, other accounts		$50.70	
Miscellaneous supplies		62.00	
Total		$112.70	$112.70
New Catch-Basins.			
Payrolls, labor and teaming		$2,953.67	
Labor and material, other accounts		2,663.71	
Total		$5,617.38	$5,617.38
Sewage Disposal, C. 474, 1910.			
Intercepting Sewer.			
Payrolls, engineering and inspection		$10,276.56	
Payrolls, labor and teaming		77,922.90	
Payrolls, screen house and station		3,694.25	
Accident account		128.65	
Advertising		37.28	
Brick and pipe		20,676.17	
Castings		1,487.01	
Cement		3,864.90	
Contractor, Belleville station		16,129.98	
Contractor, wiring		200.00	
Contractor, electric switchboard		725.00	
Damages repaired		71.13	
Electric light and power		2,536.90	
Explosives		1,324.87	
Freight and carting		103.03	
Fuel		857.91	
Hardware and tools		809.23	
Hydraulic press		355.50	
Iron reinforcement		480.00	
Maintenance of machinery		1,192.85	
Paving blocks		845.12	
Pumps and equipment		1,408.25	
Pump house and station charges		2,637.20	
Rent of land		32.50	
Sand and gravel		2,278.07	
Sluice gates and valves		966.25	
Stone, crushed		608.26	
Stock and labor, miscellaneous		170.02	
Stock, labor and teaming, other accounts		7,342.73	
Supplies, miscellaneous		273.18	
Telephone and telegraph charges		170.65	
Timber and lumber		1,250.24	
Transportation		180.00	
Total		$161,036.59	$161,036.59
Total, Health and Sanitation			$428,462.58

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Highways and Bridges.			
Highways.			
Payrolls, salaries and office	$10,377.46		
Payrolls, labor and teaming	192,315.54		
Accident account	3,776.18		
Advertising	350.00		
Building repairs and supplies	1,223.55		
Curbing and pavement materials	4,974.92		
Department shop supplies	2,924.31		
Dust prevention supplies and charges	24,742.66		
Garbage removal charges	3,475.88		
Equipment repairs and supplies	3,475.08		
Miscellaneous supplies	3,842.08		
Motor repairs and supplies	11,422.55		
Office supplies and expenses	4,199.49		
Pension account	1,078.14		
Road repair material	19,194.46		
Sidewalk repair material	6,992.61		
Snow removal charges	1,103.33		
Stable yard charges	1,636.08		
Street cleaning supplies and charges	6,988.75		
Street sprinkling	2,553.68		
Teaming supplies and charges	11,825.81		
Tools and repairs	4,281.06		
Supplies from other city accounts	5,337.17		
Total	$328,090.79		$328,090.79
Highways, Permanent Improvement.			
Payrolls, labor and teaming		$142,573.55	
Cement		9,545.76	
Curbing		11,547.79	
Crushed stone		50,471.30	
Fuel		4,548.07	
Granolithic walks		13,406.61	
Limestone dust		1,143.17	
Lumber		206.31	
Paving, asphalt		15,661.37	
Paving, granite blocks		7,951.66	
Paving, wood blocks		6,504.83	
Plant, machines and tools		14,765.48	
Rent		400.00	
Sand		5,671.00	
Supplies, miscellaneous		1,716.74	
Tarvia		13,530.10	
Water supply		224.39	
Stock, labor and teaming, other accounts		56,131.14	
Total		$355,999.27	$355,999.27

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Highways, Macadam.			
Payrolls, labor and teaming		$25,011.50	
Crushed stone		11,490.14	
Miscellaneous charges		30.93	
Sand		311.82	
Tarvia		5,407.90	
Stock, labor and teaming, other accounts		18,784.77	
Total		$61,037.06	$61,037.06
Bridges.			
Payrolls, labor	$7,138.28		
Cables	199.16		
Electric light and power	303.00		
Miscellaneous supplies	260.81		
Miscellaneous repairs	1,351.69		
Stock, labor and teaming	168.47		
Telephone charges	54.38		
Stock, labor and teaming, other accounts	1,381.15		
Total	$10,856.94		$10,856.94
Turner's Pond Bridge.			
Payroll		$ 35.04	
Skiff		2.00	
Supervision, teaming and tools, other accounts		449.38	
Total		$486.42	$486.42
Pope's Island Sea Wall.			
Advertising		$ 30.47	
Contractor		3,791.14	
Miscellaneous charges		16.86	
Total		$3,838.47	$3,838.47
Cove Road Retaining Wall.			
Payroll		$184.91	
Material		22.31	
Stock, labor and teaming, other accounts		40.54	
Total		$247.76	$247.76
Land Damages.			
Concord street		$232.50	
Felton street		1,870.85	
Harwich street		1,895.00	
Query street		6,000.00	
Tarkiln Hill road		100.00	
Truro street		700.00	
Total		$10,798.35	$10,798.35

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Street Lighting.			
Committee expenses	$ 178.70		
Electric lighting	65,148.84		
Gas lighting	42,403.00		
Naphtha lighting	2,926.35		
Lighting clock tower	200.00		
Moving and repairs	73.43		
Total	$110,930.32		$110,930.32
Harbor Master.			
Salary of harbor master	$300.00		
Use of boat	52.00		
Total	$352.00		$352.00
Board of Survey.			
Advertising	$42.48		
Printing and stationery	11.25		
Total	$53.73		$53.73
Total, Highways and Bridges			$882,691.11

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Charities.			
Poor Department.			
Salaries, overseers and secretary..	$2,826.77		
Salary of former secretary, execution	580.34		
Salaries, clerks and visitors	4,505.88		
Office expenses	2,643.29		
Almshouse, salaries and wages	14,204.09		
Almshouse, pensioned physician	262.50		
Almshouse, maintenance charges	27,572.51		
Outside relief, burials	2,025.00		
Outside relief, cash	31,705.50		
Outside relief, clothing	1,004.60		
Outside relief, fuel	5,668.51		
Outside relief,homes	2,062.98		
Outside relief, hospitals	11,555.76		
Outside relief, other cities and towns	2,910.98		
Outside relief, physicians and medicines	7,005.90		
Outside relief, provisions	45,678.01		
Outside relief, state charges	1,251.98		
Outside relief, transportation	421.50		
Total	$163,886.10		$163,886.10
Total, Charities			$163,886.10

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Soldiers Benefits.			
Burial of Soldiers.			
Burial agents	$ 34.00		
Undertakers	765.70		
Total	$799.70		$799.70
Military Aid.			
Cash disbursements	$2,738.00		
Total	$2,738.00		$2,738.00
Soldiers Relief.			
Salary of agent	$ 936.00		
Salaries of physicians	960.00		
Cash disbursements	11,005.00		
Fuel	2,037.44		
Medical supplies and attendance	820.68		
Office expenses	81.00		
Provisions	7,582.02		
Telephone charges	77.28		
Total	$23,499.42		$23,499.42
State Aid.			
Cash disbursements	$9,764.00		
Total	$9,764.00		$9,764.00
Soldiers and Sailors Graves.			
Care of graves	$199.35		
Printing and stationery	50.85		
Total	$250.20		$250.20
Rent, G. A. R. Headquarters.			
William Logan Rodman, Post No. 1	$271.17		
Richard A. Peirce, Post No. 190	271.17		
Total	$542.34		$542.34
Total, Soldiers Benefits			$37,593.66

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Education.			
Public Schools, Pay of Teachers.			
Payrolls, day schools	$373,301.02		
Payrolls, evening schools	9,365.00		
Total	$382,666.02		$382,666.02
Public Schools, Incidentals.			
Salary of superintendent	$4,000.00		
Other general salaries	13,794.30		
Salaries of janitors	40,297.25		
Advertising	119.87		
Books and stationery supplies	15,098.01		
Cooking school supplies	659.89		
County training schools	453.10		
Express, freight and carting	190.38		
Fuel	22,889.15		
Janitor supplies	2,113.72		
Lighting	1,716.92		
New furnishings		$506.00	
Manual training school supplies	511.06		
Miscellaneous supplies	2,005.88		
Printing	979.25		
Repairs Fifth street school	9,912.48		
Transportation of pupils	1,040.00		
Water rates	3,585.92		
Total	$119,367.18	$506.00	$119,873.18
Public Schools, Repairs of Buildings.			
Care of grounds	$ 411.55		
Carpentry	395.72		
Boiler repairs	1,288.10		
Electric repairs and supplies	305.49		
Hardware	166.36		
Heating repairs and supplies	667.25		
Mason work	158.68		
Metal ceilings	578.00		
Painting and glazing	1,410.55		
Plumbing and water fixtures	733.17		
Roofing	70.04		
Slate blackboards	662.40		
Supplies, miscellaneous	356.41		
Total	$7,203.72		$7,203.72

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Schools, Dog Fund.			
Salaries account	$ 93.00		
Books, maps and instruments	558.95		
Flags, poles and repairs	398.90		
Mileage and car tickets	160.00		
School census	28.35		
Traveling expenses	425.54		
Postage and box rent	110.72		
Miscellaneous supplies and service	73.27		
Motor maintenance	566.60		
Total	$2,415.33		$2,415.33
Public Schools, S. A. Howland Fund.			
Art objects	$ 91.32		
Books and periodicals	1,803.35		
Musical instruments and supplies	95.01	$500.00	
Orchestra instructor	78.00		
Teachers association allowances	400.00		
Total	$2,467.68	$500.00	$2,967.68
Public Schools, Bourne Prize Fund.			
Cash prizes for essays	$60.00		
Total	$60.00		$60.00
Katherine Street School Equipment.			
Furniture		$58.00	
Total		$58.00	$58.00
New One Story Schoolhouse.			
Land purchases		$12,923.95	
Total		$12,923.95	$12,923.95
Portable Schoolhouse.			
New building		$1,923.90	
Total		$1,923.90	$1,923.90

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
New Bedford Industrial School.			
Payrolls, salaries and wages	$30,287.90		
Compensation of pupil care takers	506.77		
Advertising	129.35		
Books, printing and stationery	833.51		
Equipment and furnishings		$542.20	
Express, freight and carting	88.02		
Fuel	1,389.83		
Insurance	127.44		
Light and power	643.38		
Office expense	85.11		
Rent	3,250.00		
Stock and labor, miscellaneous	153.89		
Supplies, carpenter shop	348.16		
Supplies, chemical and electric	1,309.45		
Supplies, cooking school	142.81		
Supplies, janitor	68.69		
Supplies, lumber	1,441.74		
Supplies, machine shop	2,177.30		
Supplies, miscellaneous	679.84		
Supplies, painting	747.20		
Supplies, steam department	559.43		
Telephone and telegraph charges	91.39		
Traveling expenses	186.75		
Water service	215.07		
Total	$45,463.03	$542.20	$46,005.23
New Bedford Textile School.			
Trustees New Bedford Textile School	$10,000.00		
Total	$10,000.00		$10,000.00
Total, Education			$586,097.01

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Libraries.			
Free Public Library.			
Salaries and wages	$24,173.50		
Care of grounds	70.84		
Car tickets	60.00		
Elevator changes and charges	196.96		
Express, freight and carting	154.67		
Furniture and furnishings	169.87		
Insurance	201.60		
Laundry	39.15		
Lighting and heating charges	724.24		
Miscellaneous supplies and charges	832.81		
Printing and stationery	187.29		
Telephone and telegraph charges	53.15		
Traveling expenses	10.85		
Water rates	158.84		
Total	$27,033.77		$27,033.77
Library, Dog Fund.			
Salaries and wages	$2,699.40		
Lighting	10.24		
Total	$2,709.64		$2,709.64
Library, George Howland, Jr. Fund.			
Books	$152.89		
Total	$152.89		$152.89
Library, Sylvia Ann Howland Fund.			
Books	$2,110.56		
Lectures	1,057.00		
Printing and binding	418.23		
Total	$3,585.79		$3,585.79
Library, Kempton Fund.			
Art objects	$ 474.00		
Advertising	9.12		
Books, newspapers and periodicals	7,285.19		
Miscellaneous expenses	310.55		
Research work	20.00		
Printing and binding	1,750.44		
Total	$9,849.30		$9,849.30
Library, G. O. Crocker Fund.			
Salaries and wages	$400.95		
Total	$400.95		$400.95

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Library, Oliver Crocker Fund.			
Miscellaneous charges	$40.10		
Total	$40.10		$40.10
Library, C. W. Morgan Fund.			
Books	$136.06		
Total	$136.06		$136.06
Library, C. L. Wood Fund.			
Books	$264.30		
Printing and stationery	19.75		
Total	$284.05		$284.05
Total, Libraries			$44,192.55

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Recreation.			
Park Commission.			
Payrolls, labor and superintendence	$23,420.72		
Advertising	20.26		
Animal supplies	1,374.69		
Athletic fixtures and repairs	668.85		
Building and fixture repairs	1,175.86		
Care Triange park	50.00		
Carriage hire and car tickets	217.65		
Flags, poles and repairs	536.13		
Freight and carting	124.40		
Fuel	392.34		
Hardware and tools	429.31		
Land rent	240.00		
Lighting	528.48		
Lumber	117.01	$844.00	
Motor and maintenance	101.32		
Moth extermination	91.26		
Office supplies and expenses	318.68		
Plants, seeds and shrubs	232.75		
Ploughing and filling	342.13		
Printing	128.53		
Supplies, miscellaneous	462.97		
Telephone and telegraph service	201.10		
Water service	985.65		
Total	$32,160.09	$844.00	$33,004.09
Playgrounds.			
Payrolls, attendants	$2,701.93		
Apparatus and fixtures	116.41		
Car hire	65.00		
Repairs and supplies	114.76		
Total	$2,998.10		$2,998.10
Bathing Houses.			
Payrolls, attendants	$1,999.75		
Advertising	62.78		
Committee expenses	220.00		
Furnishings	355.00		
Laundry	409.56		
Lighting	60.36		
Stock and labor, fitting	1,589.67		
Supplies, miscellaneous	1,149.78		
Water supply	204.94		
Total	$6,051.84		$6,051.84

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
New Municipal Bathing Houses.		[redacted]	
Architect		$2,548.21	
Building contractor		47,103.00	
Metal lockers		2,644.35	
Total		$52,295.56	$52,295.56
Total, Recreation			$94,349.59

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Unclassified.			
Committee on Claims.			
Awards in settlement of claims for damage	$346.01		
Total	$346.01		$346.01
Court Judgments.			
Executions paid for land damages.		$1,050.18	
Executions paid for personal damages	$2,713.41		
Total	$2,713.41	$1,050.18	$3,763.59
Labor Registrar, Civil Service.			
Compensation of registrar	$300.00		
Printing and stationery	36.85		
Office expenses	25.90		
Total	$362.75		$362.75
Memorial Day.			
Advertising	$ 33.45		
Decorations	288.73		
Horse and carriage hire	388.63		
High school cadets	50.00		
Miscellaneous charges	121.64		
Music	196.00		
Printing	21.35		
Total	$1,099.80		$1,099.80
Premium on Bonds.			
Certifying notes	$300.00		
Legal opinions	625.00		
Printing	74.00		
Traveling expenses	43.65		
Total	$1,042.65		$1,042.65
Revision of Ordinances.			
Advertising	$ 12.57		
Legal services	1,500.00		
Printing	1,353.40		
Total	$2,865.97		$2,865.97
Refunds.			
Liquor license fees	$508.52		
Defective tax title	19.53		
Corporation tax	6.25		
Total	$534.30		$534.30
Total, Unclassified			$10,015.07

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Public Service Enterprises.			
New Bedford Water Works.			
Salaries, superintendent and office.	$23,105.32		
Other salaries and wages	70,329.40	$25,810.50	
Extensions and equipment		99,247.18	
Maintenance charges	25,923.06		
Bonds account	19,000.00		
Interest on debt	73,380.00		
Sinking fund requirement	27,930.00		
Rebates	194.17		
Total	$239,861.95	$125,057.68	$364,919.63
Department of Wharves.			
Wharfinger fees	$ 375.59		
Advertising	14.76		
Pension account	323.24		
Interest on debt	2,080.00		
Repairs	565.12		
Water	23.18		
Total	$3,381.89		$3,381.89
Total, Public Service Enterprises			$368,301.52

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Cemeteries.			
Cemetery Board.			
Salaries, supervision	$ 3,986.00		
Payrolls, labor and teaming	28,125.80		
Advertising	45.90		
Fuel	382.05		
Ground keeping supplies	644.90		
Hardware, tools and fitting	479.29		
Local car tickets	210.00		
Motor maintenance	247.01		
Office expenses	127.44		
Printing and stationery	520 66		
Stock and labor, repairs	333.77		
Supplies, miscellaneous	1,285.55		
Telephone charges	180.81		
Water supply	116.83		
Total	$36,686.01		$36,686.01
Cemeteries, Sale of Lots.			
Payrolls, labor		$6,389.59	
Other improvement expenses		772.08	
Total		$7,161.67	$7,161.67
Total, Cemeteries			$43,847.68

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Administration of Invested Funds.			
Sinking Fund Commissioners.			
Salary of treasurer	$175.00		
Safe deposit boxes	149.35		
Special auditor	40.00		
Bond of treasurer	40.00		
Other expenses	6.67		
Total	$411.02		$411.02
Total, Administration of Invested Funds			$411.02

OBJECTS OF PAYMENTS	Expenses	Indebtedness	Total
Interest.			
On Bourne prize fund	$ 20.00		
On cemetery 6% care funds	1,604.10		
On bonded debt	333,878.19		
On temporary loans	32,822.98		
Total	$368,325.27		$368,325.27
Municipal Indebtedness.			
Bonds paid from assessments	$27,000.00		
Bonds paid from taxes	514,045.16		
Temporary tax loan, 1915		$ 250,000.00	
Temporary tax loan, 1916		2,000,000.00	
Unpaid warrants of prior years		221,799.41	
Total	$541,045.16	$2,471,799.41	$3,012,844.57
Total, Interest and Indebtness			$3,381,169.84

PAYMENTS

OBJECTS OF PAYMENTS	From Revenue	Temporary Account	Total
Sinking Funds.			
Appropriations from revenue paid to sinking fund commissioners..	$38,320.87		
Appropriation of proceeds of sales of public land, paid to sinking fund commissioners	20,108.13		
Total	$58,429.00		$58,429.00
Total, Sinking Funds.....			$58,429.00
Agency, Trust and Investment.			
Agency.			
County taxes.....		$135,224.71	
State taxes.....		187,520.00	
Non-resident bank taxes.....		45,990.04	
Liquor licenses for state.....		31,073.07	
Trust.			
Cash discrepancies.....		354.30	
Cemetery perpetual care deposits..		13,149.59	
Cemetery 6% income fund disbursed		1,406.15	
Department advances.....		656.53	
Highway deposits.....		12,695.51	
Summons due collectors.....		103.00	
Sewer deposits.....		11,653.00	
Kempton fund income.....		11,110.00	
Salary advances.....		12,503.75	
Total, Agency and Investment.....		$463,439.65	$463,439.65
Total			$7,235,216.33
Cash at the end of the year.....			417,709.85
Total			$7,652,926.18

SUMMARY.

CLASSIFICATION	Revenue for Expenses	Revenue for Other Purposes	Expenses	Outlays and Other Charges
Taxes	$2,612,960.55			
Licenses and permits	106,285.71			
Fines and forfeits	6,099.06			
Grants and gifts	18,038.28			
Special assessments	20,737.54	$ 8,253.68		
Privileges	14,029.59			
General government	4,525.71	126.57	$149,352.80	$970.57
Protection of life and property	2,010.64	20,108.13	381,685.85	140,320.73
Health and sanitation	45,685.70	2,822.10	162,333.21	266,129.37
Highways and bridges	98,844.98	67,750.80	450,283.78	432,407.33
Charities	35,794.80		163,886.10	
Soldiers benefits	14,788.50		37,593.66	
Education	8,200.30		569,642.96	16,454.05
Libraries	1,132.00		44,192.55	
Recreation	2,291.44		41,210.03	53,139.56
Unclassified			8,964.89	1,050.18
Public service enterprises	376,597.03		243,243.84	125,057.68
Cemeteries	20,317.19	7,290.00	36,686.01	7,161.67
Administration of invested funds			411.02	
Interest	35,034.53		368,325.27	
Municipal indebtedness		3,293,718.50	541,045.16	2,471,799.41
Sinking funds			58,429.00	
Agency, trust and investment		462,363.65		463,439.65
Refunds		1,783.19		
Totals	$3,423,373.55	$3,864,216.62	$3,257,286.13	$3,977,930.20

Revenue for expenses	$3,423,373.55	Current expenses	$3,257,286.13
Revenue for other purposes	3,864,216.62	Outlays and other charges	3,977,930.20
Total receipts	$7,287,590.17	Total expenditures	$7,235,216.33
Cash at beginning of year	365,336.01	Cash at end of the year	417,709.85
	$7,652,926.18		$7,652,926.18

STATEMENT OF THE BONDED DEBT AND SINKING FUNDS OF THE CITY OF NEW BEDFORD, DECEMBER 2, 1916.

LOANS	Date	Interest Rate	Interest Payable	How Payable	When Due	Amount Outstanding	Sinking Funds	Net Debt
Water Supply	Apr. 1, 1885	4	Oct. Apr.	From Sinking Fund	April 1, 1918	$20,000.00	$20,000.00	
Further Water Supply	May 11, 1894	4	Oct. Apr.	From Sinking Fund	April 1, 1924	120,000.00	90,963.69	$29,036.31
Further Water Supply	Dec. 15, 1894	4	Apr. Oct.	From Sinking Fund	Dec. 15, 1924	200,000.00		
Further Water Supply	Apr. 1, 1896	4	Oct. Apr.	From Sinking Fund	April 1, 1926	400,000.00	772,582.32	427,417.68
Further Water Supply	Jan. 1, 1897	4	July Jan.	From Sinking Fund	Jan, 1, 1927	600,000.00		
Further Water Supply	June 1, 1900	3½	Dec. June	From Sinking Fund	June 1, 1930	48,000.00	27,138.50	20,861.50
Duplicate Water Supply Main	June 1, 1910	4	Dec. June	From Water Rates	June 1, (1)	120,000.00		120,000.00
Duplicate Water Supply Main	Sept. 1, 1910	4	Mar. Sept.	From Water Rates	Sept. 1, (25)	72,000.00		72,000.00
Water Works, C. 65, 1911	May 1, 1911	4	Oct. Apr.	From Water Rates	May 1, (1)	125,000.00		125,000.00
Water Works, C. 75, 1912	May 1, 1912	4	Nov. May	From Water Rates	May 1, (5)	136,000.00		136,000.00
Highway Improvements	Mar. 1, 1884	6	Jan.	From Taxes	Oct. 1, 1894	1,000.00		1,000.00
Highway Improvements	Dec. 16, 1907	5	June Dec.	From Sinking Funds	Dec. 16, 1917	15,000.00	15,000.00	
Highway Improvements, Loan, 1908	Nov. 1, 1908	4	May Nov.	From Taxes	May 1, (9)	2,000.00		2,000.00
Highway Improvements	July 1, 1910	4	Jan. July	From Sinking Funds	July 1, 1920	50,000.00	36,926.14	13,073.86
Highway Improvements, Loan No. 2, 1911	Oct. 1, 1911	4	Apr. Oct.	From Taxes	Oct. 1, (9)	5,000.00		5,000.00
Highway Improvements, Loan No. 1, 1912	Mar. 1, 1912	4	Sept. Mar.	From Taxes	Mar. 1, (13)	90,000.00		90,000.00
Highway Improvements, Loan No. 1, 1914	Apr. 1, 1914	4	Oct. Apr.	From Taxes	April 1, 1915 (24)	39,000.00		39,000.00
Highway Improvements, Loan No. 1, 1914	Apr. 1, 1914	4	Oct. Apr.	From Taxes	April 1, 1920 (27)	60,000.00		60,000.00
Highways, Loan No. 3, 1914, (H. Perm. Imp.)	Oct. 1, 1914	4	Apr. Oct.	From Taxes	Oct. 1, (11)	16,000.00		16,000.00
Highways, Permanent Improvement, Loan No. 1, 1915	Mar. 1, 1915	4	Mar. Sept.	From Taxes	Mar. 1, (27)	108,000.00		108,000.00
Highways, Permanent Improvement, Loan No. 2, 1915	July 1, 1915	4	Jan. July	From Taxes	July 1, (32)	54,000.00		54,000.00
Highways, Permanent Improvement, Loan No. 3, 1915	Oct. 1, 1915	4	Apr. Oct.	From Taxes	Oct. 1, (25)	27,000.00		27,000.00
Highways, Permanent Improvement, Loan No. 2, 1914	July 1, 1914	4	Jan. July	From Taxes	July 1, (33)	40,000.00		40,000.00
Highways, Permanent Improvement, Loan No. 1, 1916	Apr. 1, 1916	4	Oct. Apr.	From Taxes	April 1, 1917 (34)	200,000.00		200,000.00
Highways, Permanent Improvement, Loan No. 2, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1917 (33)	50,000.00		50,000.00
Highways, Extension Loan, No. 1, 1914	Oct. 1, 1914	4	Apr. Oct.	From Taxes	Oct. 1, (25)	6,000.00		6,000.00
Highways, Extension Loan, No. 1, 1914	Oct. 1, 1914	4	Apr. Oct.	From Taxes	Oct. 1, 1919 (10)	12,000.00		12,000.00
Highways, Extension Loan, No. 1, 1915	Sept. 1, 1915	4	Mar. Sept.	From Taxes	Sept. 1, 1917 (10)	12,000.00		12,000.00
Highways, Extension Loan, No. 1, 1915	Sept. 1, 1915	4	Mar. Sept.	From Taxes	Sept. 1, 1923 (31)	3,000.00		3,000.00
Highways, Macadam, No. 1, 1914	Apr. 1, 1914	4	Oct. Apr.	From Taxes	April 1, 1915 (30)	30,000.00		30,000.00
Highways, Macadam, No. 2, 1914	July 1, 1914	4	Jan. July	From Taxes	July 1, 1915 (30)	30,000.00		30,000.00
Highways, Macadam, No. 3, 1914	Oct. 1, 1914	4	Apr. Oct.	From Taxes	Oct. 1, (11)	6,000.00		6,000.00
Highways, Macadam, No. 1, 1915	Mar. 1, 1915	4	Mar. Sept.	From Taxes	Mar. 1, (20)	80,000.00		80,000.00
Highways, Macadam, No. 1, 1916	June 1, 1916	4	Dec. June	From Taxes	June 1, 1917 (30)	50,000.00		50,000.00
Schoolhouses and Other Public Buildings	Mar. 1, 1897	4	Sept. Mar.	From Sinking Funds	Mar. 1, 1917	128,000.00	128,000.00	
Schoolhouses and Other Public Buildings	Feb. 1, 1898	3½	Aug. Feb.	From Sinking Funds	Feb. 1, 1918	92,000.00	92,000.00	
Schoolhouses and Other Public Buildings	Feb. 1, 1899	3½	Aug. Feb.	From Sinking Funds	Feb. 1, 1919	30,000.00	30,000.00	
Schoolhouses and Other Public Buildings	June 1, 1900	3½	Dec. June	From Sinking Funds	June 1, 1920	200,000.00	192,333.75	7,666.25
Schoolhouses and Other Public Buildings	Mar. 1, 1902	3½	Sept. Mar.	From Sinking Funds	Mar. 1, 1922	65,000.00	44,418.88	20,581.12
Schoolhouses and Other Public Buildings	Feb. 1, 1903	3½	Aug. Feb.	From Sinking Funds	Feb. 1, 1923	120,000.00	85,063.40	34,936.60
Schoolhouses and Other Public Buildings	Dec. 1, 1903	4	June Dec.	From Sinking Funds	Dec. 1, 1923	50,000.00	36,806.41	13,193.59
Schoolhouses and Other Public Buildings	July 1, 1905	4	Jan. July	From Sinking Funds	July 1, 1925	21,000.00	13,361.99	7,638.01
School Purposes, C. 298, 1904	Jan. 1, 1905	4	July Jan.	From Taxes	Jan. 1, (2)	27,000.00		27,000.00
School Purposes, C. 298, 1904	July 1, 1904	4	July Jan.	From Taxes	July 1, (1)	40,000.00		40,000.00
School Purposes, C. 298, 1904	Dec. 1, 1905	4	June Dec.	From Taxes	Dec. 1, (11)	18,000.00		18,000.00
School Purposes, C. 185, 1907	July 1, 1908	4	Jan. July	From Taxes	July 1, (13)	180,000.00		180,000.00
School Purposes, C. 144, 1909	June 1, 1910	4	Dec. June	From Taxes	June 1, (1)	70,000.00		70,000.00
School Purposes, C. 144, 1909	Jan. 1, 1911	4	July Jan.	From Taxes	Jan. 1, 1917 (4)	20,000.00		20,000.00
School Purposes, C. 144, 1909	Jan. 1, 1911	4	July Jan.	From Taxes	Jan. 1, 1922 (2)	30,000.00		30,000.00
School Purposes, C. 233, 1910	Jan. 1, 1911	4	July Jan.	From Taxes	Jan. 1, (21)	105,000.00		105,000.00
School Purposes, C. 123, 1911	Sept. 1, 1912	4	Mar. Sept.	From Taxes	Sept. 1, (14)	99,000.00		99,000.00
School Purposes, C. 123, 1911	Sept. 1, 1912	4	Mar. Sept.	From Taxes	Sept. 1, 1928 (15)	40,000.00		40,000.00
School Construction, 1910	Dec. 1, 1910	4	June Dec.	From Sinking Funds	Dec. 1, 1930	14,000.00	3,968.58	10,031.42
New High School	July 1, 1905	3½	Jan. July	From Sinking Funds	July 1, 1925	100,000.00	51,849.48	48,150.52
New High School, C. 385, 1903	Jan. 1, 1910	3½	Jan. July	From Taxes	Jan. 1, (1)	70,000.00		70,000.00
New High School, C. 385, 1903	Jan. 1, 1911	4	July Jan.	From Taxes	Jan. 1, (1)	75,000.00		75,000.00
New High School, C. 385, 1903	July 1, 1911	4	Jan. July	From Taxes	July 1, (1)	75,000.00		75,000.00
New High School, C. 385, 1903	Jan. 1, 1912	4	July Jan.	From Taxes	Jan. 1, (1)	80,000.00		80,000.00
New High School, C. 385, 1903	June 1, 1912	4	Dec. June	From Taxes	June 1, (2)	18,000.00		18,000.00
New High School, C. 385, 1903	June 1, 1912	4	Dec. June	From Taxes	June 1, 1923 (10)	20,000.00		20,000.00
Katherine Street School, Equipment	Feb. 1, 1914	4	Aug. Feb.	From Taxes	Feb. 1, 1915 (9)	8,000.00		8,000.00
Sewer Construction	Apr. 1, 1895	4	Oct. Apr.	From Sinking Funds	April 1, 1925	58,000.00	41,361.25	16,638.75
Sewer Construction	Mar. 1, 1897	4	Sept. Mar.	From Sinking Funds	Mar. 1, 1927	69,000.00	43,160.04	25,839.96
Sewer Construction	Feb. 1, 1898	3½	Aug. Feb.	From Sinking Funds	Feb. 1, 1928	35,000.00	21,121.12	13,878.88
Sewer Construction	Feb. 1, 1899	3½	Aug. Feb.	From Sinking Funds	Feb. 1, 1929	33,000.00	19,371.72	13,628.28
Sewer Construction	Mar. 1, 1902	3½	Sept. Mar.	From Sinking Funds	Mar. 1, 1932	30,000.00	14,039.97	15,960.03
Sewer Construction	Dec. 1, 1903	4	June Dec.	From Sinking Funds	Dec. 1, 1933	30,000.00	13,531.01	16,468.99
Sewer Construction	July 1, 1905	4	Jan. July	From Sinking Funds	July 1, 1935	62,000.00	26,612.91	35,387.09
Sewer Construction, C. 184, 1907	Oct. 1, 1907	4	Apr. Oct.	From Taxes	Oct. 1, (14)	9,000.00		9,000.00
Sewer Construction, C. 184, 1907	Oct. 1, 1907	4	Apr. Oct.	From Taxes	Oct. 1, 1918 (22)	160,000.00		160,000.00
Sewer Construction, C. 131, 1911	May 1, 1911	4	Nov. May	From Taxes	May 1, (1)	125,000.00		125,000.00
Sewer Construction, C. 76, 1912	June 1, 1912	4	Dec. June	From Taxes	June 1, (1)	130,000.00		130,000.00
Sewer Construction, C. 183, 1913	July 1, 1913	4	Jan. July	From Taxes	July 1, (3)	28,000.00		28,000.00
Sewer Construction, C. 183, 1913	July 1, 1913	4	Jan. July	From Taxes	July 1, 1924 (2)	30,000.00		30,000.00
Sewer Construction, C. 183, 1913	July 1, 1913	4½	Jan. July	From Taxes	July 1, 1934 (2)	30,000.00		30,000.00
Sewer Construction, No. 1, 1914	Apr. 1, 1914	4	Oct. Apr.	From Taxes	Apr. 1, 1915 (10)	36,000.00		36,000.00
Sewer Construction, No. 1, 1914	Apr. 1, 1914	4	Oct. Apr.	From Taxes	Apr. 1, 1935 (31)	10,000.00		10,000.00
Sewage Disposal, C. 474, 1910	Dec. 1, 1911	4	June Dec.	From Taxes	Dec. 1, (3)	20,000.00		20,000.00
Sewage Disposal, C. 474, 1910	Dec. 1, 1911	4	June Dec.	From Taxes	Dec. 1, 1922 (2)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	June 1, 1912	4	Dec. June	From Taxes	June 1, (3)	24,000.00		24,000.00
Sewage Disposal, C. 474, 1910	June 1, 1912	4	Dec. June	From Taxes	June 1, 1923 (2)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	Sept. 1, 1912	4	Mar. Sept.	From Taxes	Sept. 1, (3)	24,000.00		24,000.00
Sewage Disposal, C. 474, 1910	Sept. 1, 1912	4	Mar. Sept.	From Taxes	Sept. 1, 1923 (2)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	Mar. 1, 1913	4	Sept. Mar.	From Taxes	Mar. 1, (3)	28,000.00		28,000.00
Sewage Disposal, C. 474, 1910	Mar. 1, 1913	4	Sept. Mar.	From Taxes	Mar. 1, 1924 (2)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	June 1, 1913	4	Dec. June	From Taxes	June 1, (15)	56,000.00		56,000.00
Sewage Disposal, C. 474, 1910	June 1, 1913	4	Dec. June	From Taxes	June 1, 1924 (5)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	June 1, 1913	4½	Dec. June	From Taxes	June 1, 1934 (5)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	Sept. 1, 1913	4¼	Mar. Sept.	From Taxes	Sept. 1, (1)	135,000.00		135,000.00
Sewage Disposal, C. 474, 1910	July 1, 1914	4	Jan. July	From Taxes	July 1, (10)	36,000.00		36,000.00
Sewage Disposal, C. 474, 1910	July 1, 1914	4	Jan. July	From Taxes	July 1, 1935 (9)	10,000.00		10,000.00
Sewage Disposal, C. 474, 1910	Dec. 1, 1914	4	June Dec.	From Taxes	Dec. 1, (3)	36,000.00		36,000.00
Sewage Disposal, C. 474, 1910	Dec. 1, 1914	4	June Dec.	From Taxes	Dec. 1, 1925 (25)	60,000.00		60,000.00
Sewage Disposal, C. 474, 1910	Mar. 1, 1915	4	Mar. Sept.	From Taxes	Mar. 1, (3)	120,000.00		120,000.00
Sewage Disposal, C. 474, 1910	Oct. 1, 1915	4	Apr. Oct.	From Taxes	Oct. 1, (2)	12,000.00		12,000.00
Sewage Disposal, C. 474, 1910	Oct. 1, 1915	4	Apr. Oct.	From Taxes	Oct. 1, 1921 (10)	50,000.00		50,000.00
Sewage Disposal, C. 474, 1910	Mar. 1, 1916	4	Sept. Mar.	From Taxes	Mar. 1, 1917 (32)	12,000.00		12,000.00
Sewage Disposal, C. 474, 1910	Mar. 1, 1916	4	Sept. Mar.	From Taxes	Mar. 1, 1919 (33)	140,000.00		140,000.00
Sewer Loan, No. 1, 1915	Mar. 1, 1915	4	Mar. Sept.	From Taxes	Mar. 1, (9)	29,000.00		29,000.00
Sewer Loan, No. 1, 1916	Apr. 1, 1916	4	Oct. Apr.	From Taxes	Apr. 1, 1917 (10)	40,000.00		40,000.00
Sewer Loan, No. 1, 1916	Apr. 1, 1916	4	Oct. Apr.	From Taxes	Apr. 1, 1937 (31)	10,000.00		10,000.00
Sewer Loan, No. 2, 1916	Aug. 1, 1916	4	Feb. Aug.	From Taxes	Aug. 1, 1917 (10)	40,000.00		40,000.00
Sewer Loan, No. 2, 1916	Aug. 1, 1916	4	Feb. Aug.	From Taxes	Aug. 1, 1937 (31)	10,000.00		10,000.00
Park Purposes, C. 150, 1892	June 1, 1892	4	Oct. Apr.	From Sinking Funds	April 1, 1942	100,000.00	37,988.56	62,011.44
Park Purposes, C. 140, 1898	July 1, 1901	3½	Jan. July	From Sinking Funds	July 1, 1951	28,000.00	6,487.06	21,512.94
Park Purposes, C. 140, 1898	July 1, 1907	4	Jan. July	From Sinking Funds	July 1, 1957	72,000.00	9,929.49	62,070.51
Park Land	Apr. 1, 1914	4	Oct. Apr	From Taxes	Apr. 1, 1916 (10)	4,000.00		4,000.00
Park Land	Apr. 1, 1914	4	Oct. Apr.	From Taxes	Apr. 1, 1919 (9)	26,000.00		26,000.00
Wharf Purposes, C. 159, 1897	May 1, 1897	4	Nov. May	From Sinking Funds	May 1, 1927	52,000.00	38,837.82	13,162.18
Wharf Purchases, C. 110, 1911	Apr. 1, 1911	4	Oct. Apr.	From Taxes	April 1, (2)	3,000.00		3,000.00
Wharf Purchases, C. 110, 1911	Apr. 1, 1911	4	Oct. Apr.	From Taxes	April 1, 1918 (10)	8,000.00		8,000.00
New Bedford and Fairhaven Bridge	Jan. 1, 1907	4	July Jan.	From Sinking Funds	Jan. 1, 1957	777,000.00	97,134.62	679,865.38
Taunton Great River Bridge	Oct. 1, 1910	4	Apr. Oct.	From Taxes	Oct. 1, (11)	6,000.00		6,000.00
Taunton Great River Bridge	Oct. 1, 1910	4	Apr. Oct.	From Taxes	Oct. 1, 1920 (31)	21,000.00		21,000.00
Bridge Loan, C. 385, 1913	Nov. 1, 1913	4½	May Nov.	From Taxes	Nov. 1, (1)	10,000.00		10,000.00
Bridge Loan, 1915	Mar. 1, 1915	4	Mar. Sept.	From Taxes	Mar. 1, (9)	18,000.00		18,000.00
Bridge Loan, No. 2, 1915	Aug. 1, 1915	4	Feb. Aug.	From Taxes	Aug. 1 (9)	11,000.00		11,000.00
Engine House Loan	May 1, 1907	4	Nov. May	From Sinking Funds	May 1, 1927	20,000.00	9,268.34	10,731.66
Engine House, C. 247, 1915	Mar. 1, 1916	4	Sept. Mar.	From Taxes	Mar. 1, 1917 (21)	140,000.00		140,000.00
Library Loan, C. 353, 1907	Jan. 1, 1909	3½	July Jan.	From Taxes	Jan. 1, (1)	65,000.00		65,000.00
Library Loan, C. 353, 1907	Jan. 1, 1910	4	July Jan.	From Taxes	Jan. 1, (1)	70,000.00		70,000.00
Library Loan, C. 353, 1907	Sept. 1, 1910	4	Mar. Sept.	From Taxes	Sept. 1, (3)	36,000.00		36,000.00
Library Loan, C. 353, 1907	Sept. 1, 1910	4	Mar. Sept.	From Taxes	Sept. 1, 1926 (2)	15,000.00		15,000.00
Municipal Building Loan, C. 352, 1907	July 1, 1909	3½	Jan. July	From Taxes	July 1 (1)	65,000.00		65,000.00
Municipal Building Loan, C. 352, 1907	June 1, 1910	4	Dec. June	From Taxes	June 1, (1)	70,000.00		70,000.00
Municipal Building Loan, C. 352, 1907	Sept. 1, 1910	4	Mar. Sept.	From Taxes	Sept. 1, (1)	70,000.00		70,000.00
Municipal Building Loan, C. 352, 1907	May 1, 1911	4	Nov. May	From Taxes	May 1, 1917 (4)	60,000.00		60,000.00
Municipal Building Loan, No. 1, 1915	Sept. 1, 1915	4	Mar. Sept.	From Taxes	Sept. 1, (9)	7,000.00		7,000.00
Municipal Building Loan, No. 1, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1917	3,243.25		3,243.25
Municipal Building Loan, No. 1, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1918 (2)	51,000.00		51,000.00
Municipal Building Loan, No. 1, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1935 (31)	2,000.00		2,000.00
Municipal Loan, 1907	Feb. 11, 1907	4	Aug. Feb.	From Taxes	Feb. 11, (17)	26,000.00		26,000.00
Municipal Loan, No. 3, 1907	Oct. 1, 1907	4½	Apr. Oct.	From Sinking Funds	Oct. 1, 1917	97,000.00	97,000.00	
Municipal Loan, No. 4, 1907	Dec. 1, 1907	5	June Dec.	From Sinking Funds	Dec. 1, 1917	28,000.00	28,000.00	
Municipal Loan, No. 1, 1908	July 1, 1908	4	July Jan.	From Taxes	Jan. 1, (18)	36,000.00		36,000.00
Municipal Loan, No. 2, 1908	Nov. 1, 1908	4	May Nov.	From Taxes	Nov. 1, 1914 (31)	2,000.00		2,000.00
Municipal Loan, No. 1, 1909	July 1, 1909	3½	Jan. July	From Taxes	July 1, (19)	78,000.00		78,000.00
Municipal Loan, No. 2, 1909	Aug. 1, 1909	4	Feb. Aug.	From Taxes	Aug. 1, (9)	3,000.00		3,000.00
Municipal Loan, No. 1, 1910	Mar. 1, 1910	4	Sept. Mar.	From Taxes	May 1, 1915 (8)	84,000.00		84,000.00
Municipal Loan, No. 2, 1910	June 1, 1910	4	Dec. June	From Taxes	June 1, (4)	16,000.00		16,000.00
Municipal Loan, No. 3, 1910	Oct. 1, 1910	4	Apr. Oct.	From Sinking Funds	Oct. 1, 1920	50,000.00	36,985.92	13,014.08
Municipal Loan, No. 1, 1911	Mar. 1, 1911	4	Sept. Mar.	From Taxes	Mar. 1, (13)	75,000.00		75,000.00
Municipal Loan, No. 2, 1911	Mar. 1, 1911	4	Sept. Mar.	From Taxes	Mar. 1, (3)	4,000.00		4,000.00
Municipal Loan, No. 2, 1911	Mar. 1, 1911	4	Sept. Mar.	From Taxes	Mar. 1, 1918 (2)	12,000.00		12,000.00
Municipal Loan, No. 3, 1911	Mar. 1, 1911	4	Sept. Mar.	From Taxes	Mar. 1, 1917 (31)	5,000.00		5,000.00
Municipal Loan, No. 4, 1911	June 1, 1911	4	Dec. June	From Taxes	June 1, (15)	40,000.00		40,000.00
Municipal Loan, No. 5, 1911	July 1, 1911	4	Jan. July	From Taxes	July 1, (11)	10,000.00		10,000.00
Municipal Loan, No. 6, 1911	July 1, 1911	4	Jan. July	From Taxes	July 1, (11)	8,000.00		8,000.00
Municipal Loan, No. 6, 1911	July 1, 1911	4	Jan. July	From Taxes	July 1, 1921	1,000.00		1,000.00
Municipal Loan, No. 7, 1911	Nov. 1, 1911	4	May Nov.	From Taxes	Nov. 1, (2)	9,000.00		9,000.00
Municipal Loan, No. 7, 1911	Nov. 1, 1911	4	May Nov.	From Taxes	Nov. 1, 1921 (10)	4,000.00		4,000.00
Municipal Loan, No. 8, 1911	Jan. 1, 1912	4	July Jan.	From Taxes	Jan. 1, (1)	10,000.00		10,000.00
Municipal Loan, No. 8, 1911	Jan. 1, 1912	4	July Jan.	From Taxes	Jan. 1, 1922 (8)	16,000.00		16,000.00
Municipal Loan, No. 2, 1912	May 1, 1912	4	Nov. May	From Taxes	May 1, (23)	14,000.00		14,000.00
Municipal Loan, No. 2, 1912	May 1, 1912	4	Nov. May	From Taxes	May 1, 1918 (24)	65,000.00		65,000.00
Municipal Loan, No. 3, 1912	May 1, 1912	4	Nov. May	From Taxes	May 1, 1914 (9)	6,000.00		6,000.00
Municipal Loan, No. 4, 1912	May 1, 1912	4	Nov. May	From Taxes	May 1, (11)	2,000.00		2,000.00
Municipal Loan, No. 4, 1912	May 1, 1912	4	Nov. May	From Taxes	May 1, 1918 (9)	5,000.00		5,000.00
Municipal Loan, No. 5, 1912	Aug. 1, 1912	4	Feb. Aug.	From Taxes	Aug. 1, 1916 (10)	12,000.00		12,000.00
Municipal Loan, No. 6, 1912	Sept. 1, 1912	4	Mar. Sept.	From Taxes	Sept. 1, (1)	30,000.00		30,000.00
Municipal Loan, No. 7, 1912	Nov. 1, 1912	4	May Nov.	From Taxes	Nov. 1, (1)	5,000.00		5,000.00
Municipal Loan, No. 7, 1912	Nov. 1, 1912	4	May Nov.	From Taxes	Nov. 1, 1918 (4)	20,000.00		20,000.00
Municipal Loan, No. 1, 1913	Mar. 1, 1913	5	Sept. Mar.	From Taxes	Mar. 1, (26)	175,000.00		175,000.00
Municipal Loan, No. 2, 1913	Aug. 1, 1913	4½	Feb. Aug.	From Taxes	Aug. 1, (15)	56,000.00		56,000.00
Municipal Loan, No. 3, 1913	Aug. 1, 1913	4	Feb. Aug.	From Taxes	Aug. 1, (11)	14,000.00		14,000.00
Municipal Loan, No. 4, 1913	Sept. 1, 1913	4½	Mar. Sept.	From Taxes	Sept. 1, 1917 (28)	77,000.00		77,000.00
Municipal Loan, No. 5, 1913	Nov. 1, 1913	4	May Nov.	From Taxes	Nov. 1, (25)	21,000.00		21,000.00
Municipal Loan, No. 6, 1913	Dec. 1, 1913	4	June Dec.	From Taxes	Dec. 1, (22)	64,000.00		64,000.00
Municipal Loan, No. 2, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1917 (2)	15,000.00		15,000.00
Municipal Loan, No. 2, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1922 (10)	10,000.00		10,000.00
Cemetery Loan	Apr. 1, 1914	4	Apr. Oct.	From Taxes	Apr. 1, 1916 (9)	8,000.00		8,000.00
Trust Fund Loan	Mar. 1, 1914	4	Sept. Mar.	From Taxes	Mar. 1, 1916 (22)	80,000.00		80,000.00
Trust Fund Loan	Mar. 1, 1914	4	Sept. Mar.	From Taxes	Mar. 1, 1927 (21)	21,000.00		21,000.00
Purchase Street Widening, C. 589, 1913	Nov. 1, 1913	4	May Nov.	From Taxes	Nov. 1, (20)	260,000.00		260,000.00
Purchase Street Widening, C. 589, 1913	Nov. 1, 1913	4	May Nov.	From Taxes	Nov. 1, 1930 (29)	76,000.00		76,000.00
...ton Street Widening, C. 609, 1913	Nov. 1, 1913	4	May Nov.	From Taxes	Nov. 1, (21)	35,000.00		35,000.00
...ton Street Widening, C. 609, 1913	Nov. 1, 1913	4	May Nov.	From Taxes	Nov. 1, 1922 (5)	72,000.00		72,000.00
...t Range Loan, No. 1, 1916	May 1, 1916	4	Nov. May	From Taxes	May 1, 1917 (31)	10,000.00		10,000.00
						$10,326,243.25	$2,181,242.97	$8,145,000.28

1. $5,000.00 annually.
2. $3,000.00 annually from date.
3. $4,000.00 annually.
4. $4,000.00 annually from date.
5. $6,000.00 annually from date.
6. $22,000 annually.
7. $21,000.00 annually from date.
8. $1,000.00 annually.
10. $2,000.00 annually from date.
11. $2,000.00 annually.
12. $16,000.00 annually.
13. $15,000.00 annually.
14. $9,000.00 annually.
15. $8,000.00 annually.
17. $23,000.00 annually.
18. $18,000.00 annually.
19. $26,000.00 annually.
20. $20,000.00 annually.
21. $7,000.00 annually from date.
22. $8,000.00 annually from date.
23. $14,000.00 annually.
24. $13,000.00 annually from date.
25. $3,000.00 annually.
26. $25,000.00 annually.
27. $12,000.00 annually.
28. $11,000.00 annually from date.
29. $19,000.00 annually from date.
30. $10,000.00 annually from date.
31. $1,000.00 annually from date.
32. $6,000.00 annually.
33. $5,000.00 annually from date.
34. $20,000.00 annually from date.

Public Buildings 1
Public Improvements 1
Improvements Loan No. 2, 1911 1
Improvements Loan No. 3, 1911 1
Permanent Improvements Loan No. 1, 1911 1
Permanent Improvements Loan No. 2, 1911 1
Permanent Improvement Loan No. 3, 1911 1
Sewer Loan, No. 1, 1911 1
Sewer Loan, No. 2, 1911 1
Sewer Loan, No. 1, 1912 1
Sewer Extension No. 1, 1912 1
Sewer Extension No. 2, 1912 1
Sewer Extension No. 1, 1913 1
Sewer Extension No. 2, 1913 1
Sewer Extension No. 1, 1914 1
Sewer Extension No. 2, 1914 1
Sewer Extension No. 1, 1915 1
Sewer Extension No. 2, 1915 1
Sewer Extension No. 1, 1916 1
Sewer Extension No. 2, 1916 1
Sewer Extension No. 1, 1917 1
Sewer Extension No. 2, 1917 1
Sewer Extension No. 1, 1918 1
Sewer Extension No. 2, 1918 1
Sewer Extension No. 1, 1919 1
Sewer Extension No. 2, 1919 1
Sewer Extension No. 1, 1920 1
Sewer Extension No. 2, 1920 1
Sewer Extension No. 1, 1921 1
Sewer Extension No. 2, 1921 1
Sewer Extension No. 1, 1922 1
Sewer Extension No. 2, 1922 1
Sewer Extension No. 1, 1923 1
Sewer Extension No. 2, 1923 1
Sewer Extension No. 1, 1924 1
Sewer Extension No. 2, 1924 1
Sewer Extension No. 1, 1925 1
Sewer Extension No. 2, 1925 1
Sewer Extension No. 1, 1926 1
Sewer Extension No. 2, 1926 1
Sewer Extension No. 1, 1927 1
Sewer Extension No. 2, 1927 1
Sewer Extension No. 1, 1928 1
Sewer Extension No. 2, 1928 1
Sewer Extension No. 1, 1929 1
Sewer Extension No. 2, 1929 1
Sewer Extension No. 1, 1930 1
Sewer Extension No. 2, 1930 1
Sewer Extension No. 1, 1931 1
Sewer Extension No. 2, 1931 1
Sewer Extension No. 1, 1932 1
Sewer Extension No. 2, 1932 1
Sewer Extension No. 1, 1933 1
Sewer Extension No. 2, 1933 1
Sewer Extension No. 1, 1934 1
Sewer Extension No. 2, 1934 1
Sewer Extension No. 1, 1935 1
Sewer Extension No. 2, 1935 1
Sewer Extension No. 1, 1936 1
Sewer Extension No. 2, 1936 1
Sewer Extension No. 1, 1937 1
Sewer Extension No. 2, 1937 1
Sewer Extension No. 1, 1938 1
Sewer Extension No. 2, 1938 1
Sewer Extension No. 1, 1939 1
Sewer Extension No. 2, 1939 1
Sewer Extension No. 1, 1940 1
Sewer Extension No. 2, 1940 1
Sewer Extension No. 1, 1941 1
Sewer Extension No. 2, 1941 1
Sewer Extension No. 1, 1942 1
Sewer Extension No. 2, 1942 1
Sewer Extension No. 1, 1943 1
Sewer Extension No. 2, 1943 1
Sewer Extension No. 1, 1944 1
Sewer Extension No. 2, 1944 1
Sewer Extension No. 1, 1945 1
Sewer Extension No. 2, 1945 1
Sewer Extension No. 1, 1946 1
Sewer Extension No. 2, 1946 1
Sewer Extension No. 1, 1947 1
Sewer Extension No. 2, 1947 1
Sewer Extension No. 1, 1948 1
Sewer Extension No. 2, 1948 1
Sewer Extension No. 1, 1949 1
Sewer Extension No. 2, 1949 1
Sewer Extension No. 1, 1950 1
Sewer Extension No. 2, 1950 1
Sewer Extension No. 1, 1951 1
Sewer Extension No. 2, 1951 1
Sewer Extension No. 1, 1952 1
Sewer Extension No. 2, 1952 1
Sewer Extension No. 1, 1953 1
Sewer Extension No. 2, 1953 1
Sewer Extension No. 1, 1954 1
Sewer Extension No. 2, 1954 1
Sewer Extension No. 1, 1955 1
Sewer Extension No. 2, 1955 1
Sewer Extension No. 1, 1956 1
Sewer Extension No. 2, 1956 1
Sewer Extension No. 1, 1957 1
Sewer Extension No. 2, 1957 1
Sewer Extension No. 1, 1958 1
Sewer Extension No. 2, 1958 1
Sewer Extension No. 1, 1959 1
Sewer Extension No. 2, 1959 1
Sewer Extension No. 1, 1960 1
Sewer Extension No. 2, 1960 1
Sewer Extension No. 1, 1961 1
Sewer Extension No. 2, 1961 1
Sewer Extension No. 1, 1962 1
Sewer Extension No. 2, 1962 1
Sewer Extension No. 1, 1963 1
Sewer Extension No. 2, 1963 1
Sewer Extension No. 1, 1964 1
Sewer Extension No. 2, 1964 1
Sewer Extension No. 1, 1965 1
Sewer Extension No. 2, 1965 1
Sewer Extension No. 1, 1966 1
Sewer Extension No. 2, 1966 1
Sewer Extension No. 1, 1967 1
Sewer Extension No. 2, 1967 1
Sewer Extension No. 1, 1968 1
Sewer Extension No. 2, 1968 1
Sewer Extension No. 1, 1969 1
Sewer Extension No. 2, 1969 1
Sewer Extension No. 1, 1970 1
Sewer Extension No. 2, 1970 1
Sewer Extension No. 1, 1971 1
Sewer Extension No. 2, 1971 1
Sewer Extension No. 1, 1972 1
Sewer Extension No. 2, 1972 1
Sewer Extension No. 1, 1973 1
Sewer Extension No. 2, 1973 1
Sewer Extension No. 1, 1974 1
Sewer Extension No. 2, 1974 1
Sewer Extension No. 1, 1975 1
Sewer Extension No. 2, 1975 1
Sewer Extension No. 1, 1976 1
Sewer Extension No. 2, 1976 1
Sewer Extension No. 1, 1977 1
Sewer Extension No. 2, 1977 1
Sewer Extension No. 1, 1978 1
Sewer Extension No. 2, 1978 1
Sewer Extension No. 1, 1979 1
Sewer Extension No. 2, 1979 1
Sewer Extension No. 1, 1980 1
Sewer Extension No. 2, 1980 1
Sewer Extension No. 1, 1981 1
Sewer Extension No. 2, 1981 1
Sewer Extension No. 1, 1982 1
Sewer Extension No. 2, 1982 1
Sewer Extension No. 1, 1983 1
Sewer Extension No. 2, 1983 1
Sewer Extension No. 1, 1984 1
Sewer Extension No. 2, 1984 1
Sewer Extension No. 1, 1985 1
Sewer Extension No. 2, 1985 1
Sewer Extension No. 1, 1986 1
Sewer Extension No. 2, 1986 1
Sewer Extension No. 1, 1987 1
Sewer Extension No. 2, 1987 1
Sewer Extension No. 1, 1988 1
Sewer Extension No. 2, 1988 1
Sewer Extension No. 1, 1989 1
Sewer Extension No. 2, 1989 1
Sewer Extension No. 1, 1990 1
Sewer Extension No. 2, 1990 1
Sewer Extension No. 1, 1991 1
Sewer Extension No. 2, 1991 1
Sewer Extension No. 1, 1992 1
Sewer Extension No. 2, 1992 1
Sewer Extension No. 1, 1993 1
Sewer Extension No. 2, 1993 1
Sewer Extension No. 1, 1994 1
Sewer Extension No. 2, 1994 1
Sewer Extension No. 1, 1995 1
Sewer Extension No. 2, 1995 1
Sewer Extension No. 1, 1996 1
Sewer Extension No. 2, 1996 1
Sewer Extension No. 1, 1997 1
Sewer Extension No. 2, 1997 1
Sewer Extension No. 1, 1998 1
Sewer Extension No. 2, 1998 1
Sewer Extension No. 1, 1999 1
Sewer Extension No. 2, 1999 1
Sewer Extension No. 1, 2000 1
Sewer Extension No. 2, 2000 1

BALANCE SHEET OF THE CITY OF NEW BEDFORD DECEMBER 2, 1916.

ASSETS.

Cash in treasury	$417,709.85
Uncollected taxes	267,347.00
Due from Commonwealth	13,525.13
Due for advances on special accounts	100,596.93
Current assets	$799,178.91
Kempton fund, cash and investments	262,186.52
Sinking funds, cash and investments	2,014,797.42
Cemetery, savings bank deposits	198,789.24
Library and school funds, invested	117,100.00
Construction, authorized, not expended	211,205.84
City property as scheduled	10,263,512.49
Total assets	$13,866,770.42

LIABILITIES.

Accounts payable	$202,899.90
Notes payable	250,000.00
Overlay, tax reserve	30,390.96
Balances, municipal utilities accounts	37,403.97
Balances, trust fund income accounts	7,814.84
Balances, deposits accounts	9,181.47
Balances, special accounts	170,415.98
Balances, revenue accounts	91,071.79
Current liabilities	$799,178.91
Kempton fund and income	262,186.52
Cemetery perpetual care funds	225,524.17
Library and school trust funds	117,100.00
Loans authorized, not issued	428,000.00
Bonds outstanding, as scheduled	10,326,243.25
Total liabilities	$12,158,232.85
Balance, public property	1,708,537.57
	$13,866,770.42

City of New Bedford,
March 21, 1917.

To the City Council Committee on Finance:

Gentlemen:—The sub-committee on the valuation of city property reports herewith a list of city property and its value. The valuation of real estate has been secured from the Board of Assessors, and the valuation of other property has been secured from the officers in charge of the several departments. The entire valuation is believed by your sub-committee to be a fair valuation of the city property.

THOMAS KIRKHAM,
RODOLPHE J. CARRIER,
FREDERICK C. LUCE,
Committee.

SCHEDULE AND VALUATION OF THE CITY PROPERTY, JANUARY 1, 1917.

Board of Assessors:		
Office fixtures, furniture and furnishings....	$7,795.00	$7,795.00
Board of Health:		
Furniture and equipment in office and bacteriological laboratory.....	6,753.38	
Disinfecting apparatus	100.00	
Furniture, bedding, etc., smallpox buildings.	275.00	
Ambulance and wagon at smallpox hospital	200.00	
Partial equipment of isolation hospital.....	1,100.00	
Buildings used as smallpox hospitals.....	1,000.00	
Isolation hospital buildings.....	41,200.00	
Land at isolation hospital.....	92,625.00	
		143,253.38
Cemetery Board:		
Oak Grove Cemetery.....	70,075.00	
Old Burying Ground, Second St.....	10,325.00	
Pine Grove Cemetery.....	41,525.00	
Rural Cemetery	207,625.00	
Tools, machinery, wagons and equipment....	3,070.00	
Office fixtures, furniture, etc.....	2,107.00	
		334,727.00
City Auditor:		
Office furniture, fixtures, etc.....	3,200.00	3,200.00
City Clerk:		
Office furniture, fixtures, etc.....	7,000.00	7,000.00
City Messenger:		
Miscellaneous supplies on hand.....	200.00	200.00
City Solicitor:		
Office fixtures, furniture, etc.....	843.00	
Law library	250.00	
		1,093.00
City Treasurer:		
Office fixtures, furniture, etc.....	7,245.00	7,245.00
City Engineer:		
Office fixtures, furniture, etc.....	14,374.09	14,374.09
Clerk of Committees:		
Office fixtures, furniture, etc.....	2,600.00	2,600.00
Elections:		
Ballot boxes, and voting paraphernalia.....	3,000.00	3,000.00
Fire Department:		
No. 1 engine house and lot.....	14,450.00	
No. 3 engine house and lot.....	23,400.00	
No. 4 engine house and lot.....	16,225.00	
No. 5 engine house and lot.....	33,250.00	
No. 6 engine house and lot.....	12,975.00	
No. 7 engine house and lot.....	17,225.00	
No. 8 engine house and lot.....	30,650.00	
No. 9 engine house and lot.....	2,150.00	
No. 10 engine house and lot.....	21,075.00	
No. 11 engine house and lot.....	23,050.00	
New central fire station, (unfinished).....	82,300.00	
Steam fire engine, No. 1.....	3,500.00	
Steam fire engine, No. 2.....	250.00	
Steam fire engine, No. 4.....	3,000.00	

Steam fire engine, No. 5	3,500.00	
Steam fire engine, No. 6	250.00	
Steam fire engine, No. 7	3,500.00	
Steam fire engine, No. 8	250.00	
Steam fire engine, reserve	2,000.00	
1 Ahrens-Fox motor fire engine	9,000.00	
1 Robinson motor fire engine	9,000.00	
1 Webb motor fire engine	7,500.00	
1 White motor fire engine	6,000.00	
3 Locomobile motor combination chemicals	18,000.00	
1 Locomobile combination truck	6,000.00	
1 Locomobile,repair car	2,500.00	
3 aerial hook and ladder trucks	13,500.00	
1 hook and ladder truck (reserve)	100.00	
1 combination chemical and hose wagon	2,000.00	
5 hose wagons	1,250.00	
7 exercise wagons	1,050.00	
1 fire alarm wagon	200.00	
2 wagons in reserve	100.00	
26 horses and harnesses	6,500.00	
Hose and connections	12,500.00	
Fire alarm telegraph	35,000.00	
Sundries, as per inventory	5,000.00	
		428,200.00
Free Public Library:		
Land and building	441,675.00	
Books, pictures, etc	125,000.00	
		566,675.00
Inspector of Wires:		
Office fixtures, furniture, etc	802.00	
Police signal system	5,500.00	
Cable, wire and material	2,275.00	
		8,577.00
Licensing Board:		
Office fixtures, furniture, etc	1,793.00	1,793.00
Mayor's Office:		
Office fixtures, furniture, etc	4,500.00	4,500.00
New Bedford Industrial School:		
Office fixtures, furniture and machinery	41,524.60	41,524.60
New Bedford Water Works:		
Acushnet supply	401,503.00	
Further supply	1,119,100.00	
Distribution and other items	1,974,000.00	
		3,494,603.00
Park Commissioners:		
Bridge Park	25,375.00	
Brooklawn Park	313,800.00	
Buttonwood Park	176,550.00	
Common	96,950.00	
Grove Park	24,425.00	
Hazelwood Park	158,875.00	
Ashley Park	26,350.00	
Triangle Park	1,275.00	
Office furniture and fixtures	1,200.00	
Animals	2,500.00	
Tools and working implements	3,500.00	
Swings, seats, band stands and amusement fixtures	7,500.00	
		838,300.00

Police Department:		
Police station, Blackmer street	13,850.00	
New central police station, (unfinished)	35,025.00	
Police stable, Second street	4,250.00	
Police station, Kempton and Cedar	22,575.00	
Police station, Willis street	3,175.00	
Police station, Bowditch and Weld	13,350.00	
Ambulances, wagons, furniture, etc	5,928.00	
		98,153.00
Poor Department:		
Almshouse, outbuildings, etc	186,650.00	
Furniture, furnishings, live stock and equipment	13,869.05	
		200,519.05
Public Baths:		
Buildings	80,000.00	
Miscellaneous equipment	2,500.00	
		82,500.00
Public Buildings, Land and Other Property:		
Screen house, West French avenue	78,875.00	
Land, West French avenue	1,075.00	
Land, West French avenue	7,050.00	
Land, West French Avenue	325.00	
Land, Cove and Shore streets	400.00	
Pump house, Brock avenue	19,550.00	
Wardroom, Rivet and Briggs streets	1,525.00	
Land, northeast corner of Arnold street and Rockdale avenue	725.00	
Land, southeast corner of Arnold street and Rockdale avenue	1,075.00	
Wardroom, 610 Purchase street	1,025.00	
Land, west side of Liberty street	25.00	
Veteran Firemen's building, corner of High and Foster streets	2,700.00	
Land, Mechanics, Elm, Sixth and Pleasant streets	157,350.00	
Municipal building, Pleasant and William streets	504,150.00	
Land, North and Hillman streets	3,800.00	
Land, Hillman street	8,200.00	
Building, 195 Mill street, leased land	150.00	
Wardroom, Kempton street, leased land	800.00	
Land, east side of Belleville avenue	2,125.00	
Land, Lambeth, Edgewood and Sunderland streets	25.00	
Land and buildings, north side of Tarkiln Hill road	8,075.00	
		799,025.00
Registrars of Voters:		
Office fixtures, furniture, etc	3,000.00	3,000.00
School Department:		
Wm. H. Taylor, Brock avenue	91,000.00	
G. H. Dunbar, Dartmouth and Dunbar streets	46,050.00	
Katherine Street School	171,225.00	
R. C. Ingraham, Blackmer and Second streets	86,925.00	
I. W. Benjamin, Division street	38,325.00	

J. B. Congdon, Thompson and Hemlock streets	102,975.00	
Thos. Donaghy, Acushnet avenue and South street	79,875.00	
Thompson Street School	44,475.00	
Dartmouth Street School	17,375.00	
Acushnet Avenue School	48,975.00	
B. B. Winslow, Allen street	151,750.00	
Fifth Street School, Pleasant and Russell	36,075.00	
T. A. Green, Purchase and Madison streets	69,925.00	
Harrington School, Court and Liberty streets	57,350.00	
Hathaway playground	11,575.00	
S. A. Howland, Kempton and Pleasant streets	72,125.00	
Middle Street School	36,800.00	
New High School, County and Court streets	565,600.00	
School Committee rooms, William street	9,950.00	
T. R. Rodman, Rockdale and Summit streets	78,725.00	
Cedar Street School	8,425.00	
M. B. White, Maxfield and Pleasant streets	24,925.00	
Old High School, Summer street	111,675.00	
H. A. Kempton, Shawmut avenue	51,975.00	
Parker Street School	80,750.00	
Merrimac Street School	17,800.00	
Clark Street School	38,250.00	
J. H. Clifford, Bowditch and Coggeshall	80,600.00	
Cedar Grove Street School	36,175.00	
H. M. Knowlton, County and Coggeshall	110,000.00	
Phillips Avenue School	46,550.00	
Land, Belleville avenue, Hathaway and Earle streets	10,300.00	
A. Lincoln, Bowditch and Glennon streets	146,250.00	
School, Hathaway road	1,150.00	
School, Plainville road	1,125.00	
J. Swift School, Lunds Corner	84,425.00	
Acushnet Avenue, north of Lunds Corner	1,600.00	
Portable buildings	18,000.00	
Furniture and furnishings	231,858.00	
		2,918,908.00
Sealer of Weights and Measures:		
Standard weights and measures and equipment	2,500.00	2,500.00
Streets and Sewers:		
City stables and land	63,150.00	
Air drills	2,305.95	
Asphalt plant	7,131.85	
Blacksmith shop	3,892.07	
Carpenter shop	579.62	
Concrete tools	110.38	
Crushers:		
North crusher	1,996.00	
Portable crusher	2,744.00	
South crusher	3,922.83	
Center crusher	3,046.00	
Forestry	1,478.95	
Garage, autos and trucks	12,396.20	
Highways and streets	15,381.14	
Hoisting engine	881.70	
Machine shop	1,152.45	

Office	950.00	
Paint shop	133.82	
Portable boiler	912.50	
Road rollers	16,024.95	
Sewers and drains, supplies	1,869.26	
Stable	25,493.82	
Stationary boiler and engine	3,334.80	
Steam drills	2,869.95	
Steam pumps	492.00	
		172,250.24
Street Lighting Department:		
Lamp posts	8,000.00	8,000.00
Superintendent of Buildings:		
Office fixtures, furniture, etc.	5,972.13	5,972.13
Wharves:		
Land, foot of Howland street	7,825.00	
Land, foot of Centre street	500.00	
Rotch wharf	42,450.00	
Southeast corner of Front and Centre streets	2,950.00	
Land and building, Front and Union streets.	10,300.00	
		64,025.00
		$10,263,512.49

RECAPITULATION.

Board of Assessors	$7,795.00
Board of Health	143,253.38
Cemetery Board	334,727.00
City Auditor	3,200.00
City Clerk	7,000.00
City Messenger	200.00
City Solicitor	1,093.00
City Treasurer	7,245.00
City Engineer	14,374.09
Clerk of Committees	2,600.00
Elections	3,000.00
Fire Department	428,200.00
Free Public Library	566,675.00
Inspector of Wires	8,577.00
Licensing Board	1,793.00
Mayor's Office	4,500.00
New Bedford Industrial School	41,524.60
New Bedford Water Works	3,494,603.00
Park Commissioners	838,300.00
Police Department	98,153.00
Poor Department	200,519.05
Public Baths	82,500.00
Public Buildings, Land and Other Property	799.025.00
Registrars of Voters	3,000.00
School Department	2,918,908.00
Sealer of Weights and Measures	2,500.00
Streets and Sewers	172,250.24
Street Lighting Department	8,000.00
Superintendent of Buildings	5,972.13
Wharves	64,025.00
Total valuation	$10,263,512.49

CERTIFICATES.

We have examined the foregoing report and statements of the City Auditor and believe the same to be correct.

ELZEAR H. CHOQUETTE,
THOMAS KIRKHAM,
W. SEYMOUR LANGSHAW.

Sub-committee of the joint standing committee on finance, appointed to examine the books and accounts of the City Treasurer and the City Auditor.

The foregoing report and the statements of the City Auditor are approved.

THOMAS KIRKHAM,
JAMES F. COLLINS,
JEREMIAH COUGHLIN,
JOHN McCULLOUGH, 3rd,
FRANK WHITTAKER,
Committee on Audit.

THE CITY OF NEW BEDFORD.

In Board of Aldermen,
June 14, 1917.

Received. Ordered printed in the City Documents and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,
June 14, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

ANNUAL REPORT

OF THE

CITY TREASURER

FOR THE

Fiscal Year Ending December 4
1916

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

CITY OF NEW BEDFORD.

In Board of Aldermen,

March 8, 1917.

Received. Ordered printed in the City Documents and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

March 8, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

Office of the City Treasurer,

New Bedford, January 1, 1917.

To the City Council of the City of New Bedford:

Gentlemen:—Submitted herewith find the annual report of this department for the year ending December 4, 1916, as required by the ordinances.

Respectfully submitted,

CHAS. S. HOWLAND,

City Treasurer.

STATEMENT OF CASH RECEIPTS AND CASH PAYMENTS FOR THE FISCAL YEAR 1916.

SUMMARY.

Cash receipts from revenue sources,	$3,287,525.58	
Cash receipts from special funds and accounts,	530,459.82	
Cash receipts from revenue loans	2,250,000.00	
Cash receipts from bonds,	828,243.25	
Total cash receipts,		$6,896,228.65
Cash balance, December 4, 1915,		365,336.01
		$7,261,564.66
Cash payments for revenue purposes,	$2,755,437.16	
Cash payments for special funds and accounts,	1,278,372.49	
Cash payments for revenue loans,	2,250,000.00	
Cash payments for bonds,	560,045.16	
Total cash payments,		$6,843,854.81
Cash balance, December 4, 1916,		417,709.85
		$7,261,564.66

CASH RECEIPTS IN DETAIL.

From Revenue Sources:		
Taxes,	$2,666,288.85	
Premiums on bonds,	12,575.35	
Miscellaneous,	608,661.38	
		$3,287,525.58
From Special Funds and Accounts:		
Water Works,	358,840.07	
Wharves,	4,429.34	
Cemeteries: sale of lots,	7,290.00	
Cemeteries: Perpetual Care deposits,	13,149.59	
Sewer deposits,	12,468.00	
Highway deposits,	13,085.32	
Sewer construction: assessments,	8,233.68	
Sewer construction: miscellaneous receipts,	94.98	
Highway permanent improvements,	14,645.74	
Highway macadam,	141.33	
Sales of city property,	20,234.70	
Purchase street betterments,	17,614.77	
Union street betterments,	2,844.33	
State aid,	12,086.00	
Military aid,	1,852.50	
Burial of soldiers,	850.00	
Library trust funds income,	2,671.08	
School trust funds income,	2,067.08	
Library, Dog fund,	2,698.98	
School, Dog fund,	2,721.39	
Trust account, licenses due State,	31,073.07	
Trust account, summonses due collectors,	93.00	
Garbage collection,	12.25	
Pay roll tailings,	275.55	
Trust account, liquor license money held,	508.52	
Short and over,	478.55	
		$530,459.82
From Loans:		
In anticipation of revenue 1916,		2,250,000.00
From Bonds:		
Sewers, Chap. 474 of 1910,	$152,000.00	
Engine House, Chap. 247 of 1915,	140,000.00	
Highway Permanent Improvement Loan No. 2 of 1914,	45,000.00	
Highway Permanent Improvement Loan No. 1 of 1916,	200,000.00	
Highway Improvement Loan		

No. 2 of 1916,	50,000.00	
Highway Macadam Loan No. 1 of 1916,	50,000.00	
Sewer Loan No. 1 of 1916,	50,000.00	
Sewer Loan No. 2 of 1916,	50,000.00	
Municipal Building Loan No. 1 of 1916,	56,243.25	
Municipal Loan No. 2 of 1916,	25,000.00	
Rifle Range Loan No. 1 of 1916,	10,000.00	
		$828,243.25
Total cash receipts,		$6,896,228.65

CASH PAYMENTS IN DETAIL.

For Revenue Purposes:

Sundry departments, audits, payrolls and advances,	$2,754,696.01	
Premium on bonds,	741.15	
		$2,755,437.16

For Special Funds and Accounts:

Water Works (not including bonds),	$337,944.97
Wharves (not including bonds),	3,528.44
Cemeteries, sale of lots,	6,230.33
Cemeteries, Perpetual Care deposits,	13,149.59
Sewer deposits rebated,	11,653.00
Highway deposits rebated,	12,695.51
Sewer construction,	78,824.49
Sewage disposal, Chap. 474 of 1910,	159,435.17
Highway Special Account of 1912,	1.41
Highway Special Account of 1913,	.25
Highways, permanent improvements,	316,743.98
Highways, macadam,	58,069.11
Land damages, Arlington St.,	329.00
Land damages, Cleveland St.,	1,000.00
Land damages, Concord St.,	893.10
Land damages, Dewey St.,	75.00
Land damages, Elm St.,	1,148.00
Land damages, Felton St.,	40.00
Land damages, Harwich St.,	1,895.00
Land damages, Query St.,	6,000.00
Land damages, Tarkiln Hill Rd.,	100.00
Land damages, Truro St.,	700.00
Turner's Pond Bridge,	263.59
New Central Fire Station,	52,634.65
Municipal Building,	50.00
Portable schools,	6,994.00

Construction and Equipment, portable schoolhouses,	1,923.90	
Katherine Street School equipment,	106.00	
Cove Road retaining wall,	1,269.51	
New Central Police Station,	52,347.00	
Schoolhouse Loan of 1916,	12,923.95	
Public Bathing Houses, West French Ave.,	52,295.56	
New Rifle Range,	9,550.00	
Garbage Collection,	7,347.86	
State aid,	11,596.66	
Military aid,	1,603.00	
Burial of soldiers,	809.75	
Trust account, summonses due Collectors,	103.00	
Trust account, licenses due State,	31,073.07	
Trust account, liquor license money held,	508.52	
Court judgments,	3,763.59	
Library, Dog fund,	1,817.74	
Schools, Dog fund,	2,498.52	
Library, Kempton fund,	9,883.89	
Library, Trust funds,	3,716.91	
School, Trust funds,	2,451.38	
Short and over,	354.30	
Popes Island sea wall,	29.79	
		$1,278,372.49

For Loans:

Account Revenue 1915,	$250,000.00	
Account Revenue 1916,	2,000,000.00	
		$2,250,000.00

For Bonds:

Water, Chap. 202 of 1909,	8,000.00
Water, Chap. 65 of 1911,	5,000.00
Water, Chap. 75 of 1912,	6,000.00
Wharves, Chap. 110 of 1911,	3,000.00
Library, Chap. 353 of 1907,	14,000.00
Municipal Building, Chap. 352 of 1907,	20,000.00
Municipal Building Loan No. 1 of 1915,	1,137.32
Coggeshall Street Bridge,	5,000.00
Taunton Bridge,	2,000.00
Bridge Loan No. 1 of 1915,	1,000.00
High School, Chap. 385 of 1903,	23,000.00
Katherine Street School, equipment,	1,000.00
Schools, Chap. 298 of 1904,	10,000.00
Schools, Chap. 185 of 1907,	15,000.00
Schools, Chap. 144 of 1909,	10,000.00
Schools, Chap. 233 of 1910,	7,000.00
Schools, Chap. 123 of 1911,	9,000.00

Sewers, Chap. 184 of 1907,	9,000.00
Sewers, Chap. 474 of 1910,	34,000.00
Sewers, Chap. 131 of 1911,	5,000.00
Sewers, Chap. 76 of 1912,	5,000.00
Sewers, Chap. 183 of 1913,	4,000.00
Purchase Street Widening,	20,000.00
Union Street Widening,	8,000.00
Trust Fund Loan of 1914,	8,000.00
Municipal Loan No. 1 of 1907,	23,000.00
Highway Loan of 1908,	1,000.00
Municipal Loan No. 1 of 1908,	18,000.00
Municipal Loan No. 2 of 1908,	1,000.00
Municipal Loan No. 1 of 1909,	26,000.00
Municipal Loan No. 2 of 1909,	1,000.00
Municipal Loan No. 1 of 1910,	21,000.00
Municipal Loan No. 2 of 1910,	4,000.00
Municipal Loan No. 1 of 1911,	15,000.00
Municipal Loan No. 2 of 1911,	4,000.00
Municipal Loan No. 3 of 1911,	2,000.00
Municipal Loan No. 4 of 1911,	8,000.00
Municipal Loan No. 5 of 1911,	2,000.00
Municipal Loan No. 6 of 1911,	2,000.00
Municipal Loan No. 7 of 1911,	3,000.00
Municipal Loan No. 8 of 1911,	5,000.00
Highway Permanent Improvement Loan No. 2 of 1911,	1,000.00
Municipal Loan No. 1 of 1912,	15,000.00
Municipal Loan No. 2 of 1912,	14,000.00
Municipal Loan No. 3 of 1912,	1,000.00
Municipal Loan No. 4 of 1912,	2,000.00
Municipal Loan No. 5 of 1912,	2,000.00
Municipal Loan No. 6 of 1912,	5,000.00
Municipal Loan No. 7 of 1912,	5,000.00
Municipal Loan No. 1 of 1913,	25,000.00
Municipal Loan No. 2 of 1913,	8,000.00
Municipal Loan No. 3 of 1913,	2,000.00
Municipal Loan No. 4 of 1913,	12,000.00
Municipal Loan No. 5 of 1913,	3,000.00
Highway Permanent Improvement Loan No. 1 of 1914,	13,000.00
Highway Permanent Improvement Loan No. 2 of 1914,	5,000.00
Highway Permanent Improvement Loan No. 3 of 1914,	2,000.00
Macadam Loan No. 1 of 1914,	10,000.00
Macadam Loan No. 2 of 1914,	10,000.00
Macadam Loan No. 3 of 1914,	2,000.00
Highway Extension Loan No. 1 of 1914,	3,000.00
Sewer Loan No. 1 of 1914,	2,000.00
Park Loan of 1914,	2,000.00
Cemetery Loan of 1914,	1,000.00
Highway Extension Loan No. 1 of 1915,	2,482.75
Highway Permanent Improvement Loan No. 1 of 1915,	12,000.00

Highway Permanent Improvement Loan No. 2 of 1915,	6,000.00	
Highway Permanent Improvement Loan No. 3 of 1915,	3,000.00	
Macadam Loan No. 1 of 1915,	20,000.00	
Sewer Loan No. 1 of 1915,	1,000.00	
Bridge Loan No. 1 of 1915,	1,425.09	
		$560,045.16
Total Cash Payments,		$6,843,854.81

We have examined the foregoing and believe the same to be correct.

Sub-committee of the Joint Standing Committee on Finance, appointed to examine the books and accounts of the City Treasurer and City Auditor.

The following table, compiled from previous reports, compares the Assessors' valuation of real and personal property, the tax rate, inventory of city property, funded water debt, funded debt other than water, and sinking funds, from the year 1901 to the year 1916, inclusive:

Year	Assessors' Net Valuation Real & Personal	Tax Rate	Inventory of City Property	Funded Water Debt	Other Funded Debt	Sinking Funds
1901	$62,401,390	$17.50	$4,887,803	$1,628,000	$2,078,000	$923,838
1902	61,964,450	17.40	4,954,634	1,598,000	2,311,000	1,044,399
1903	62,246,300	18.00	5,065,011	1,568,000	2,369,000	1,073,379
1904	62,865,476	19.20	5,228,788	1,538,000	2,570,000	1,184,665
1905	63,951,461	19.40	5,440,536	1,508,000	2,884,000	1,352,077
1906	65,550,381	18.40	5,576,817	1,478,000	2,844,000	1,495,459
1907	70,719,086	17.60	5,586,995	1,448,000	4,129,000	1,547,871
1908	75,505,198	19.00	5,777,292	1,418,000	4,498,000	1,661,725
1909	77,464,331	19.00	6,289,217	1,388,000	4,721,581	1,711,226
1910	83,426,001	19.00	8,453,894	1,638,000	5,494,938	1,873,676
1911	95,511,184	18.40	9,512,735	1,778,000	6,313,752	2,035,119
1912	101,354,409	19.30	10,707,053	1,923,000	7,042,077	1,964,632
1913	104,491,928	20.20	11,930,480	1,902,000	7,420,000	1,809,453
1914	107,829,482	23.20	12,722,208	1,881,000	8,180,316	1,948,894
1915	111,136,138	23.00	13,535,547	1,860,000	8,197,045	2,014,797
1916	113,116,243	23.00	14,490,760	1,841,000	8,469,243	2,181,243

COMPARATIVE TABLE OF DIVISION OF TAX RATES.

Rate per $1,000 valuation	1909 $19.00	1910 $19.00	1911 $18.40	1912 $19.30	1913 $20.20	1914 $23.20	1915 $23.00	1916 $23.00
Divided as follows:								
State Tax.....	1.10	1.41	1.24	1.33	1.81	1.92	2.07	1.62
Grade Crossings.	.26	.23	.20	.18	.09	.01	.01	.01
County Tax....	1.21	1.30	1.15	1.10	1.15	1.13	1.12	1.17
City Purposes...	11.28	10.50	10.15	10.97	10.44	11.94	11.83	12.03
City Debt.....	4.95	5.27	5.35	5.52	6.49	8.09	7.74	8.00
Overlay	.20	.29	.31	.20	.22	.11	.23	.17
	$19.00	$19.00	$18.40	$19.30	$20.20	$23.20	$23.00	$23.00

Year.	Sinking Fund from Tax Levy.	Sinking Fund from Water Rates.	Sinking Fund from Wharf Inc.	Serial from Tax Levy.	Serial from Water Rates.	Serial from Wharf Inc.	Totals.
1917	$268,000.00			$618,243.25	$19,000.00	$3,000.00	$908,243.25
1918	92,000.00	$20,000.00		589,405.04	19,000.00	2,000.00	722,405.04
1919	30,000.00			560,000.00	19,000.00	2,000.00	611,000.00
1920	300,000.00			508,000.00	19,000.00	2,000.00	829,000.00
1921				461,000.00	19,000.00	2,000.00	482,000.00
1922	65,000.00			414,000.00	19,000.00		498,000.00
1923	170,000.00			365,000.00	19,000.00		554,000.00
1924		320,000.00		303,000.00	19,000.00		642,000.00
1925	179,000.00			273,000.00	19,000.00		471,000.00
1926		400,00.00		242,000.00	19,000.00		661,000.00
1927	89,000.00	600,000.00	$52,000.00	213,000.00	19,000.00		973,000.00
1928	35,000.00			211,000.00	18,000.00		264,000.00
1929	33,000.00			196,000.00	18,000.00		247,000.00
1930	14,000.00	48,000.00		177,000.00	18,000.00		257,000.00
1931				149,000.00	18,000.00		167,000.00
1932	30,000.00			125,000.00	18,000.00		173,000.00
1933	30,000.00			110,000.00	18,000.00		158,000.00
1934				85,000.00	18,000.00		103,000.00
1935	62,000.00			80,000.00	18,000.00		160,000.00
1936				80,000.00	18,000.00		98,000.00
1937				67,000.00	18,000.00		85,000.00
1938				59,000.00	17,000.00		76,000.00
1939				59,000.00	17,000.00		76,000.00
1940				59,000.00	17,000.00		76,000.00
1941				58,000.00	9,000.00		67,000.00
1942	100,000.00			50,000.00	4,000.00		154,000.00
1943				39,000.00			39,000.00
1944				22,000.00			22,000.00
1945				16,000.00			16,000.00
1946				9,000.00			9,000.00
1947				1,000.00			1,000.00
1951	28,000.00						28,000.00
1957	849,000.00						849,000.00
	$2,374,000.00	$1,388,000.00	$52,000.00	$6,198,648.29	$453,000.00	$11,000.00	$10,476,648.29
				Overdue			1,000.00
				Total bonded debt			$10,477,648.29

REPORT OF THE TREASURER OF THE CITY TRUST FUNDS.

Office of the Treasurer,
February, 1917.

To the City Council of the City of New Bedford:

Gentlemen:—As Treasurer ex-officio of the trust funds belonging to the City, I submit the following statement, in tabular form, showing the investment and annual income of each, together with the amount of the Cemetery Perpetual Care Funds, viz:—

Title and Amount of Fund			Investments		Annual Income
			Miscellaneous Bonds	Bank Deposits	
The Kempton Fund, the Gift of Sarah E. Potter		$250,000.00	$257,000.00	$1,000.63	*$10,370.00
Sylvia Ann Howland Educational and	Library Fund	100,000.00	101,000.00	354.45	4,054.16
James B. Congdon	Library Fund	500.00		500.00	20.00
George O. Crocker	Library Fund	10,000.00	10,000.00		400.00
Oliver Crocker	Library Fund	1,000.00		1,000.00	40.00
George Howland, Jr.	Library Fund	1,600.00		1,600.00	64.00
Charles W. Morgan	Library Fund	1,000.00		1,000.00	40.00
Charles L. Wood	Library Fund	2,000.00		2,000.00	80.00
Jonathan Bourne	School Fund	1,000.00		1,000.00	†40.00
		$367,100.00	$368,000.00	$8,455.08	$15,108.16

*This amount is $400.00 less than the regular yearly income, owing to the defaulting of six months interest on $20,000.00 4% bonds of the Boston & Maine R. R. Co., due September 1, 1916.

†$20.00 additional from taxation.

CEMETERY PERPETUAL CARE FUNDS.

Deposited in Savings Banks	$198,789.24
Invested in City Properties	26,734.93
	$225,524.17

Respectfully submitted,
CHAS. S. HOWLAND,
City Treasurer.

ANNUAL REPORT

OF THE

COLLECTOR OF TAXES.

January 1, 1917.

To the City Council of the City of New Bedford.

Gentlemen:—In compliance with the ordinance requiring that the annual report of the Collector of Taxes shall be made to the City Council annually in January, I submit herewith detailed statements of all collections made during the fiscal year ending December 4, 1916, together with a statement of Taxes remaining unpaid.

Respectfully submitted,

CHAS. S. HOWLAND,

Collector of Taxes.

STATEMENT OF SEWER ASSESSMENTS.

Name of Sewer.	Debits.	Credits.	Uncollected Dec. 4, 1916
Allen Street	$802.30		*$802.30
Church Street	178.49	$91.64	86.85
Query Street	253.94		**253.94
Howard Street	2,700.51	733.21	1,967.30
Middle Street	92.91		92.91
Topham Street	805.92	462.54	343.38
Topham Street	536.13	209.20	326.93
Brook and Query Streets	463.29		***463.29
Hudson Street	1,260.35	944.17	316.18
Garfield Street	14.28	14.28	
Summer Street	126.70	126.70	
Central Avenue	66.24		66.24
Charles Street	230.97	230.97	
Ernest Street	15.77		15.77
Hemlock Street	228.59	169.40	59.19
Irvington Street	344.73	306.43	38.30
Rochambeau Street	200.03	200.03	
Buchanan Street	176.08	160.46	15.62
Brook Street	722.77	222.06	500.71
Caroline Street	547.99		547.99
Junior Street	505.97	345.79	160.18
Landry Street	492.02	353.74	138.28
Maple Street	325.40	325.40	
Palmer Street	601.55	569.82	31.73
Shaw Street	243.91	170.36	73.55
Orchard Street	1,363.98	1,363.98	
Aquidneck Street	1,712.00	730.14	971.86
Lake Street	410.42	377.59	32.83
Orchard Street	1,200.00	1,140.17	59.83
Query Street	289.65	206.87	82.78
Totals	$16,912.89	$9,454.95	$7,457.94

*Assessment against property of City of New Bedford, unpaid.

**Assessment against property of City of New Bedford, $203.43 unpaid.

***Assessment against property of City of New Bedford, $409.59 unpaid.

STATEMENT OF TAX COLLECTIONS.

DR.	1916	1915	1914	1913
Uncollected balances Dec. 4, 1915		$222,712.81	$14,830.37	$9,786.45
Assessors' warrants in detail, 1916:				
State tax	$186,480.00			
Grade Crossing tax	1,040.00			
County tax	135,224.71			
City tax, Department Appropriations	1,394,267.62			
City tax, Debt Appropriations	927,116.87			
Overlay	19,468.04			
Non-Resident Bank Tax	44,436.74			
Excise taxes, Vessels in Foreign Trade	13.00			
Excise taxes, Street Railways	13,979.59			
Additional warrants and re-assessments		3,767.10	64.96	
Total Debts	$2,722,026.57	$226,479.91	$14,895.33	$9,786.45
CR.				
Collections— Real Estate	$1,469,141.39	$169,800.95	$2,714.56	$ .51
Personal	879,867.01	13,386.92	504.30	36.21
Polls	34,166.00	16,174.00	100.00	12.00
Resident Bank tax	35,948.26			
Non-Resident Bank tax	44,436.74			
Excise taxes Vessels Foreign Trade	13.00			
Excise taxes, Street Railways	13,979.59			
Abatements—Real Estate	4,581.67	990.19	113.10	3.53
Personal	2,217.76	1,070.07	479.64	1,114.04
Polls	136.00	1,148.00	9,642.00	8,840.00
Total Credits	$2,484,487.42	$202,570.13	$13,553.60	$10,006.29
Balances uncollected December 4, 1916	$237,539.15	$23,909.78	$1,341.73	*
Abatements issued by Assessors but not presented	75.88	$23.00		
Percentages collected from dates of assessment to December 4, 1916	91.27%	99.14%	99.94%	

*Excess of collections over warrants, $219.84.

PERCENTAGES OF COLLECTIONS OF WARRANTS FOR 1916.

	Assessments.	Collected and Abated.	Uncollected.	Per Cent. Collected.
Real Estate	$1,651,247.05	$1,473,723.06	$177,523.99	89.24%
Personal	914,605.93	882,084.77	32,521.16	96.43%
Polls	61,796.00	34,302.00	27,494.00	55.50%
Totals	$2,627,648.98	$2,390,109.83	$237,539.15	91.27%

NATIONAL BANK TAXES IN DETAIL,

Name of Bank.	Due City.	Due State.	Totals.
First National	$13,967.79	$16,967.20	$30,934.99
Mechanics National	8,453.23	9,486.79	17,940.02
Merchants National	13,527.24	17,982.75	31,509.99
Totals as figured by Assessors,	$35,948.26	$44,436.74	$80,385.00
Added by Tax Commissioner		1,553.30	
Deduction from City	1,553.30		
Revised totals	$34,394.96	$45,990.04	$80,385.00

STREET RAILWAY EXCISE TAXES IN DETAIL.

Bay State Street Railway Co	$ 3,029.45
Union Street Railway Co	10,950.14
	$13,979.59

We have examined the foregoing and believe the same to be correct.

. . . . . .

. . . . . .

. . . . . .

Sub-committee of the Joint Standing Committee on Finance, appointed to examine the books and accounts of the City Treasurer, Collector of Taxes, and City Auditor.

New Bedford, Mass.,
January 2, 1917.

To the City Council of the City of New Bedford:

The Trustees of the Kempton Fund herewith submit the following as their Ninth Annual

REPORT.

During the past year there has been no change of the securities in which the fund of the Kempton Trust, the Gift of Sarah E. Potter, of $250,000.00 is invested.

Under the provisions of City Ordinances approved by the Mayor February 26, 1914, and March 12, 1914, the Trustees of the Kempton Fund are also charged with the management, direction and control of the investment of the following trusts, viz:

Sylvia Ann Howland Educational and Library Fund,	$100,000.00
George O. Crocker Library Fund,	10,000.00
Charles L. Wood Library Fund,	2,000.00
Oliver Crocker Library Fund,	1,000.00
George Howland, Jr. Library Fund,	1,600.00
Charles W. Morgan Library Fund,	1,000.00
James B. Congdon Library Fund,	500.00
Jonathan Bourne School Fund,	1,000.00

The gross amount of income which has been received by the Trustees is $15,108.16 and this amount has been paid to the City Treasurer, as provided in the several Trusts and the City Ordinances.

FREDERIC TABER,
THOMAS S. HATHAWAY,
ABBOTT P. SMITH,
Trustees.

SYLVIA ANN HOWLAND EDUCATIONAL AND LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$50,000.00	State of California,	$48,646.80	4%	$2,000.00
25,000.00	City of New Bedford,	25,000.00	4%	1,000.00
1,000.00	City of Brockton,	998.75	4%	40.00
25,000.00	City of Marlboro,	25,000.00	4%	1,000.00
354.45	N. B. Inst. for Savings Deposit,	354.45	4%	14.16

GEORGE O. CROCKER LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$10,000.00	City of Providence,	$10,000.00	4%	$400.00

CHARLES L. WOOD LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$2,000.00	N. B. Inst. for Savings Deposit,	$2,000.00	4%	$80.00

OLIVER CROCKER LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$1,000.00	N. B. Inst. for Savings Deposit,	$1,000.00	4%	$40.00

GEORGE HOWLAND, JR., LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$1,600.00	N. B. Inst. for Savings Deposit,	$1,600.00	4%	$64.00

CHARLES W. MORGAN LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$1,000.00	N. B. Inst. for Savings Deposit,	$1,000.00	4%	$40.00

JAMES B. CONGDON LIBRARY FUND.

Par Value		Cost	Rate	Annual Income
$500.00	N. B. Inst. for Savings Deposit,	$500.00	4%	$20.00

JONATHAN BOURNE SCHOOL FUND.

Par Value		Cost	Rate	Annual Income
$1,000.00	N. B. Inst. for Savings Deposit,	$1,000.00	4%	$40.00

REPORT

OF THE

Commissioners of the Sinking Funds

FOR THE YEAR 1916

NEW BEDFORD
THE A. E. COFFIN PRESS, PRINTERS
1917

REPORT

OF THE

Commissioners of the Sinking Funds.

To the City Council of the City of New Bedford, Mass.

Gentlemen: — At a meeting of the Commissioners of the Sinking Funds of the City of New Bedford, it was

Voted: — To adopt the foregoing statement of the Treasurer of the Sinking Funds as the report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the Statutes of the Commonwealth of Massachusetts to be made annually to the City Council.

WM. A. MACKIE,
CHAS. S. KELLEY, JR.,
Commissoners of the Sinking Funds.

REPORT

OF THE

Treasurer of the Sinking Funds.

City of New Bedford, Mass.
January 2, 1917.

To the Commissioners of the Sinking Funds of the City of New Bedford.

Gentlemen: — Herewith find a statement of my accounts as Treasurer of the Sinking Funds for the year 1916, together with a list of securities in the fund.

DR.

Par value of Sinking Funds investments, close of 1915,	$2,014,797.52
City of New Bedford, from Taxation,	58,429.00
" Water Revenue,	27,930.00
Premium Account,	1,574.95
Interest Account,	79,901.02
	$2,182,632.49

CR.

Accrued interest on securities purchased,	$ 943.17
Premium on securities purchased,	446.35
Par value of Investments, close of 1916,	2,181,242.97
	$2,182,632.49

WM. S. COOK,
Treasurer.

INVESTMENT OF NEW BEDFORD SINKING FUNDS, 1916.

1917	Jan.	1	Chicago,	4	$25,000.00	
	Jan.	1	Medford,	4	1,000.00	
	Feb.	1	New Bedford,	4	21,000.00	
	Feb.	1	West End St. Ry.,	4	16,000.00	
	Mar.	1	New Bedford,	4	38,000.00	
	Mar.	1	Fall River	4	5,000.00	
	Apr.	1	Minneapolis,	4	36,000.00	
	Apr.	1	Waltham,	4	6,000.00	
	May	1	Quincy,	4	3,000.00	
	June	1	Albany,	4¼	6,500.00	
	June	1	Northwestern Union,	7	6,000.00	
	June	1	Northwestern Union,	7	8,000.00	
	July	1	Brookline,	3.15	10,000.00	
	July	1	Milwaukee,	4	5,000.00	
	July	1	New Bedford,	4	5,000.00	
	July	1	Somerville,	4	2,000.00	
	Aug.	1	West End St. Ry..	5	50,000.00	
	Oct.	1	Boston,	4	3,000.00	
	Oct.	1	Gloucester,	3½	5,000.00	
	Dec.	15	Newport (Note),	4½	8,000.00	
						$259,500.00
1918	Feb.	1	New Bedford,	3½	$4,000.00	
	Apr.	1	Pittsburg,	3¼	50,000.00	
	May	1	Quincy,	3½	1,000.00	
	May	1	Quincy,	4	3,000.00	
	July	1	New Bedford,	4	5,000.00	
	Aug.	1	Medford,	4	30,000.00	
	Aug.	1	New Britain,	4	25,000.00	
	Sept.	1	Orange,	4	3,000.00	
	Oct.	1	Clinton,	3½	1,000.00	
	Oct.	1	Wakefield,	4	9,000.00	
	Nov.	1	New York,	3½	14,000.00	
						$145,000.00
1919	Feb.	1	New Bedford,	3½	$7,000.00	
	May	1	Quincy,	3½	1,000.00	
	May	1	Quincy,	4	3,000.00	
	July	1	Boston,	3½	10,000.00	
	Aug.	1	West End,	5	10,000.00	
	Sept.	1	Orange,	4	3,000.00	
	Oct.	1	Clinton,	3½	2,000.00	
	Oct.	1	C. B. & Q.,	4	6,000.00	
	Dec.	1	Saginaw,	4	10,000.00	
						$52,000.00
1920	May	1	Quincy,	3½	$1,000.00	
	May	1	Quincy,	4	3,000.00	
	May	1	Watertown,	4	3,000.00	
	June	1	New Bedford,	3½	66,000.00	
	July	1	Syracuse,	3½	5,000.00	
	Dec.	1	Citizens' Elec. Ry.,	5	1,000.00	
						$79,000.00

1921	May	1	Quincy,	3½	$1,000.00	
	May	1	Quincy,	4	3,000.00	
	July	1	New Bedford,	4	3,000.00	
	Oct.	1	Clinton,	3½	1,000.00	
	Oct.	1	Fitchburg R. R.,	3½	15,000.00	
	Oct.	1	Haverhill,	4	20,000.00	
	Nov.	1	Boston & Maine,	3½	2,000.00	
	Dec.	1	Middletown	3½	5,000.00	
						$50,000.00
1922	Jan.	1	Lynn,	4	$5,000.00	
	Mar.	1	New Bedford,	3½	3,000.00	
	Mar.	1	Providence,	4	8,000.00	
	Apr.	1	St. Louis,	3¼	8,000.00	
	May	1	Quincy,	4	3,000.00	
	June	1	Boston,	3½	2,000.00	
	July	1	Barre,	3½	3,000.00	
	July	1	Prov. & Springfield Ry	5	20,000.00	
	July	1	Portland,	3½	1,000.00	
	Dec.	1	Haverhill,	4	5,000.00	
						$58,000.00
1923	Jan.	1	Chicago,	4	2,000.00	
	Feb.	1	New Bedford,	3½	3,000.00	
	Apr.	1	Lynn,	4	4,000.00	
	Apr.	1	Saginaw,	4	10,000.00	
	May	1	Quincy,	4	1,000.00	
	May	15	Newport,	4	16,000.00	
	July	1	Lewiston,	4	1,000.00	
	Sept.	1	Commonwealth of Mass.	3	5,000.00	
	Oct.	1	Saginaw,	4	10,000.00	
	Oct.	1	Falmouth,	3½	1,000.00	
	Nov.	1	Commonwealth of Mass.	3½	3,000.00	
	Dec.	1	Boyer Valley R. R.,	3½	55,000.00	
	Dec.	15	Brockton,	4	1,000.00	
						$112,000.00
1924	Jan.	1	Bridgeport,	4	$6,000.00	
	Jan.	1	Chicago,	4	3,000.00	
	Jan.	1	Kansas City,	4	34,000.00	
	Feb.	1	Cambridge,	4	4,000.00	
	Feb.	1	Old Colony R. R.,	4	6,000.00	
	Mar.	1	Indianapolis,	4	5,000.00	
	Apr.	1	Brockton,	4	7,000.00	
	Apr.	1	New Bedford,	4	4,000.00	
	Apr.	1	Newton,	4	19,000.00	
	Apr.	1	Woonsocket,	4	3,000.00	
	May	2	Malden,	4	5,000.00	
	June	1	Minn. & Iowa R. R.	3½	5,000.00	
	June	30	Indianapolis,	4	5,000.00	
	July	1	Mil., L. S. & Western	6	3,000.00	
	July	1	New Britain,	4	9,000.00	
	July	1	Lawrence,	4	1,000.00	
	Aug.	1	Cambridge,	4	32,000.00	
	Oct.	1	Falmouth,	3½	1,000.00	
	Dec.	15	New Bedford,	4	22,000.00	
						$174,000.00

1925	Apr.	1	Minneapolis,	4	$20,000.00	
	May	1	Kennebec,	3½	10,000.00	
	May	2	Malden,	4	20,000.00	
	July	1	New Bedford,	4	5,000.00	
	July	1	New Bedford,	3½	24,000.00	
	Aug.	1	Troy,	4	10,000.00	
	Oct.	1	Falmouth,	3½	1,000.00	
						$90,000.00
1926	Mar.	1	Peoria & N. W.	3½	$5,000.00	
	Apr.	1	Minneapolis,	4	20,000.00	
	Apr.	1	New Bedford,	4	1,000.00	
	July	1	Attleboro,	4	18,000.00	
	Aug.	15	Chicago & N. W.	4	10,000.00	
	Sept.	1	Boston & Maine	4	25,000.00	
	Oct.	1	Falmouth	3½	1,000.00	
						$80,000.00
1927	Jan.	1	New Bedford,	4	$9,000.00	
	Jan.	1	Waltham,	4	2,000.00	
	Mar.	1	Fitchburg RR.,	4	5,000.00	
	May	1	C., B., & Q. RR.,	4	5,000.00	
	May	1	New Bedford,	4	52,000.00	
	May	1	Newton,	4	16,000.00	
	Oct.	1	Falmouth	3½	1,000.00	
	Dec.	1	County of Essex	4	1,000.00	
						$91,000.00
1928	Feb.	1	New Bedford,	3½	$5,000.00	
	May	1	Portland & Ogdensb'g	4½	5,000.00	
	July	1	Worcester,	4	17,000.00	
						$27,000.00
1929	Feb.	1	Mil., L. S. & Wes.	5	$30,000.00	
	July	1	Amer. Tel. & Tel. Co.	4	25,000.00	
	Oct.	1	Chicago & N. W.	5	18,000.00	
	Oct.	1	Chicago & N. W.	6	5,000.00	
	Oct.	1	St. Louis,	4	10,000.00	
						$88,000.00
1930	Jan.	1	Commonwealth of Mass.	3	$50,000.00	
	Jan.	1	State of Mass.	3	4,000.00	
	Mar.	1	Brockton,	3½	10,000.00	
	Dec.	1	Taunton,	3½	8,000.00	
						$72,000.00
1931	Nov.	1	Commonwealth of Mass.	3	25,000.00	
						$25,000.00
1932	Mar.	1	New Bedford,	3½	$3,000.00	
	Aug.	1	West End St. Ry.	4	49,000.00	
						$52,000.00
1933	May	1	Boston & Albany R.R.,	4	$5,000.00	
						$5,000.00

1934	Aug.	1	Augusta,	4	$40,000.00	
	Aug.	1	Willimantic,	4	1,000.00	
						$41,000.00
1935	Mar.	1	Westerly,	3½	$8,000.00	
	Apr.	1	No. Maine Seaport	5	35,000.00	
	Apr.	1	Lynn	3½	5,000.00	
	May	1	Boston Elevated R.R.	4	25,000.00	
	July	1	So. Norwalk	4	3,000.00	
	Sept.	1	So. Norwalk,	4	5,000.00	
						$81,000.00
1937	May	1	Quincy,	4	2,000.00	
						$2,000.00
1938	July	1	Kalamazoo, Al. & G. R.	5	$4,000.00	
	July	1	Boston & Providence,	4	10,000.00	
	Dec.	1	Stamford	4	5,000.00	
						$19,000.00
1940	July	1	Erie & Pittsburg RR.,	3½	$50,000.00	
						$50,000.00
1942	May	1	Quincy,	3½	$1,000.00	
						$1,000.00
1943	Jan.	1	Bangor & Aroostook	5	$29,000.00	
						$29,000.00
1944	Jan.	1	Boston & Maine	4½	$5,000.00	
	Mar.	1	St. Johnsbury & L.C.	5	11,000.00	
						16,000.00
1945	July	1	New England RR.	4	$13,000.00	
						$13,000.00
1946	July	1	Boston Terminal,	4	$20,000.00	
						$20,000.00
1949	July	1	C., B. & Q.,	3½	$36,000.00	
	July	1	C., B. & Q.	4	39,000.00	
						$75,000.00
1951	Aug.	1	Ill. Central,	3	$25,000.00	
	Sept.	1	Mich. Central,	3½	12,000.00	
						$37,000.00
1952	May	1	Mich. Central,	3½	$30,000.00	
						$30,000.00
1953	July	1	Ill. Central,	3½	$22,000.00	
						$22,000.00
1954	Jan.	1	Washington Co. RR.,	3½	$16,000.00	
	April	1	N. Y., N. H. & H.	3½	11,000.00	
	May	1	N. Y., N. H., & H.	4	35,000.00	
	May	1	Naugatuck RR.,	4	4,000.00	
						$66,000.00

1955 July	1	N. Y., N. H. & H. RR.,	4	$53,000.00	$53,000.00
1956 May	1	N. Y., N. H. & H. RR.,	4	$25,000.00	$25,000.00
1957 Jan.	1	New Bedford,	4	$5,000.00	$5,000.00
1958 Mar.	1	C., B. & Q. RR.,	4	$10,000.00	$10,000.00

Total,	$2,054,500.00
Savings Bank Deposits,	9,719.80
Cash on Deposit,	117,023.17
Securities at par, close of 1916,	$2,181,242.97

Respectfully submitted,

WM. S. COOK,
Treasurer.

STATEMENT OF CONDITIONS OF THE VARIOUS SINKING FUNDS.

No.	Fund	Payable	Total
49	$100,000 High School Bonds,	July 1, 1925,	$51,849.48
50	21,000 School Bonds,	July 1, 1925,	13,361.99
51	62,000 Sewer Bonds,	July 1, 1935,	26,612.91
57	28,000 Municipal Bonds,	Dec. 1, 1917,	28,000.00
56	97,000 Municipal Bonds,	Oct. 1, 1917,	97,000.00
58	15,000 Highway Bonds,	Dec. 16, 1917,	15,000.00
9	20,000 Water Bonds,	April 1, 1918,	20,000.00
18	100,000 Park Bonds,	April 1, 1942,	37,988.56
23	120,000 Water Bonds,	April 1, 1924,	90,963.69
24	1,200,000 Water Bonds, Apr. 1, 1926,	Jan. 1, 1927,	772,582.32
25	58,000 Sewer Bonds,	April 1, 1925,	41,361.25
55	20,000 Engine House Bonds,	May 1, 1927,	9,268.34
28	128,000 School Bonds,	Mar. 1, 1917,	128,000.00
29	69,000 Sewer Bonds,	Mar. 1, 1927,	43,160.04
30	52,000 Wharf Bonds,	May 1, 1927,	38,837.82
31	35,000 Sewer Bonds,	Feb. 1, 1928,	21,121.12
32	92,000 School Bonds,	Feb. 1, 1918,	92,000.00
35	30,000 School Bonds,	Feb. 1, 1919,	30,000.00
36	33,000 Sewer Bonds,	Feb. 1, 1929,	19,371.72
37	200,000 School Bonds,	June 1, 1920,	192,333.75
38	48,000 Water Bonds,	June 1, 1930,	27,138.50
40	30,000 Sewer Bonds,	Mar. 1, 1932,	14,039.97
41	65,000 School Bonds,	Mar. 1, 1922,	44,418.88
43	120,000 School Bonds,	Feb. 1, 1923,	85,063.40
47	50,000 School Bonds,	Dec. 1, 1923,	36,806.41
48	30,000 Sewer Bonds,	Dec. 1, 1933,	13,531.01
39	28,000 Park Bonds,	July 1, 1951,	6,487.06
54	72,000 Bridge Approach Bonds,	Jan. 1, 1957,	9,929.49
53	777,000 Bridge Bonds,	Jan. 1, 1957,	97,134.62
59	50,000 Highway Bonds of 1910,	July 1, 1920,	36,926.14
60	50,000 Municipal Bonds,	Oct. 1, 1920,	36,985.92
61	14,000 School Bonds.	Dec. 1, 1930,	3,968.58
			$2,181,242.97

DIVISION OF SINKING FUNDS.

Municipal Loans	$1,028,331.28
Water Loans	910,684.52
Park Loans	44,475.64
Wharf Loans	38,837.85
High School Loan	51,849.51
Bridge Loans	97,134.65
Park, Bridge Approach Loan	9,929.52
Total	$2,181,242.97

New Bedford, Mass.,
March 30, 1917.

William A. Mackie, Esq.
Charles S. Kelley, Esq.
} *Commissioners of the New Bedford Sinking Funds.*

Dear Sirs: — I have finished my examination of the books and accounts of the Treasurer of the Sinking Funds, for the year ending December 31, 1916, and hereby certify that they are correct. I have also examined the securities representing the investments, and have found them as stated in his report.

Yours very truly,

JAMES P. FRANCIS,
Certified Public Accountant.

City of New Bedford.

In Board of Aldermen,

May 10, 1917.

Received, placed on file, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

May 10, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

Twenty-Fourth Annual Report

OF THE

ENGINEERING DEPARTMENT

CITY OF NEW BEDFORD

BY THE

CITY ENGINEER

For the Year 1916.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

NEW BEDFORD

December 2, 1916.

Set off from Dartmouth.....1787
Incorporated as a city.....1847
Length of city.....10.78 miles
Breadth of city (maximum).....3.10 "

Area—Land....12,206 acres
Ponds.... 200 "
Land and ponds.....12,406 acres – 19.39 sq. miles
Tidal waters..... 8,467 "
20,873 " – 32.614 " "

Length of frontage on tidal waters.....10.13
Depth of main channel.....25 ft. at low water
Average rise and fall of tide.....3½ ft.
Population:—Assessors' estimate.....114,106
U. S. Census estimate.....118,158
Valuation..... $113,121,793 00
Valuation per capita.....$991.37
Accepted streets (Dec. 31, 1916).....189.78
Bridges (3).....0.796 miles in New Bedford
Sewers, exclusive of intercepting .....125.48 miles

Length of Intercepting Sewer constructed:
Outfall.....0.626 miles
Interceptor.....6.728 "

10 parks and public playgrounds, area.....223.27 acres
32 schools, area of grounds.....41.8 "

ENGINEER'S REPORT

City of New Bedford,
Engineering Department,
January 1, 1917.

To the City Council of the City of New Bedford:

Gentlemen:—In compliance with section 56 of the city ordinances, defining the duties of the City Engineer, I respectfully submit the following report of the expenses and operations of the Engineering Department for the year ending December 2, 1916.

EXPENDITURES.

Salaries and pay rolls	$18,856.30	
Telephone	74.19	
Local transportation	778.43	
Drawing supplies	255.83	
Blueprint materials	271.14	
Printing, stationery, advertising, etc.	298.51	
Sundry supplies	132.53	
Office furniture and repairs	96.98	
Platting system expenses	130.00	
General instruments for office and field	382.43	
Traveling expenses, express, postage, etc.	68.68	
Printing annual report	97.33	
Public statutes and reference books	70.50	
Meteorological instruments	62.94	
Boundstones	123.58	
Testing apparatus and supplies	289.37	
		$21,983.74
Balance		16.26
		$22,000.00

RECEIPTS.

Appropriation, regular	$21,000.00	
" special	1,000.00	
		$22,000.00

EXPENDITURES.

Gross	$21,983.74

RECEIPTS.

By credit to Miscellaneous Revenue of 1916:

Cash from sale of blueprints, printing materials and maps	$582.63	
Net expenditures	21,401.11	
		$21,983.74

The usual work of the department has been carried on during the year, the nature and cost of which is clearly set forth in the table of general classification of work.

Following, I have attempted to give a general review of the principal items of work done during the year together with an outline of those needed in the near future.

SEWERS.

The most important sewer constructed this year was that known as "The North End System," laid in the valley north of Howard Avenue and Brooklawn Park. This has a total length of 6,500 feet and has cost about $43,598.93. This provides both surface water and sanitary drainage for a district where it has been needed for a considerable time, and where building has been retarded on that account.

The sanitary sewage without roof water is to be discharged through the Belleville Avenue sewer to the Belleville Pumping Station, where it will be pumped into the intercepting sewer. Several streets approved by the Board of Survey were accepted to furnish a location for this sewer. With the completion of the new Manomet Mill, there will probably be much building in this section during the coming year.

Another important undertaking was the construction of a low level sewer in Water street, from Cove to Delano, connected with the Cove street Pumping Station, to provide for sanitary sewage at this location, together with a surface water drain in Water and Cove streets and a suitable outlet into the river at Cove street.

The abutters on Water street were notified that they must separate roof water from sewage, in accordance with Section 1, Chapter 383 of the Acts of 1903, and drains were carried from the main drain to the curb for the purpose of carrying out this provision. As yet few abutters have complied with the requirements, and a large

volume of rain water is being carried to the Pumping Station in consequence.

In other sections described in my last report no work has been done this year. These are the Brook Street Valley, north of Query street; Brook Street Valley, at the Oneko Mill property; Tripps Brook Valley, north of Kempton street; the Shawmut Avenue Valley, and both sides of Acushnet avenue north of Balls Corner.

During the year Chapter 227 of the Acts of 1915, relative to Municipal Liens, was repealed, and the sewers laid this year have been assessed under Chapter 49 of the Revised Statutes and in accordance with an order adopted by the Board of Aldermen December 10, 1914, and the plans filed in the Registry of Deeds for convenience of the public. This arrangement seems to be very satisfactory.

Work on the Intercepting Sewer has progressed continuously through the year, and the sewer is nearly completed at the present time. The details of this work, together with the costs, are given fully in the report of William F. Williams, Consulting Engineer, which is made a part of this report.

We have this year transferred all the material testing apparatus from this office to a room at the city yard on Ash street, which has been fitted as a testing laboratory. In addition to the sand and cement testing apparatus, we have added instruments for the testing of various oils, tars and asphalts used in street construction. Samples from each piece of bituminous concrete laid this year have been analyzed and a record made of the result, which will help determine the value of the various mixtures.

The Board of Survey has approved plans of 2.43 miles of streets this year, making a total of 22 plans and 20.2 miles of streets approved during its two years of existence.

These plans have met with little opposition either at the time of their adoption or later when some of them have been accepted as public highways. The plans adopted have not been ideal in all cases, but it is agreed that they provided the most satisfactory arrangement when their limitations by existing conditions are considered.

The streets considered, however, have all been in the outskirts of the city, while the most difficult problem lies in the built-up section. Here we have streets laid out long ago to provide for the needs of a town of 20,000 or 30,000 inhabitants and now called on to care for the traffic of a city of 115,000.

Undoubtedly some of these streets must be widened, but this is such an expensive method of increasing traffic facilities that it is prohibitive except for a few main highways. Perhaps the greatest benefit along these lines for the least expenditure can be obtained by separating the various kinds of traffic; not by arbitrary rules regarding the use of the street but by providing a continuous line of street surface suitable for the heavier type of vehicles from north to south through the industrial section of the city by as direct and level a route as possible, and a similar line of smooth pavement a little less direct and of more variation in grade for the use of lighter and faster moving vehicles.

In the construction of street surfaces the city is confronted with a serious condition by the heavy vehicles with high speed coming into use at the present time. Loads of more than 20 tons are being carried through the streets at a speed of 6 miles an hour.

From my own observation, our permanent pavements now carry this traffic without any failure of the base, and in the case of rubber-tired vehicles apparently without any injurious effect. The case of the trailer, however, fitted with steel tires, is entirely different. Where it apparently does little injury to our asphaltic streets, it is absolutely

ruining our best granite block paving laid on cement base and with grouted joints. This is the pavement which we have considered the most suitable for heavy loads of any in use. The effect of this traffic, however, is to crack and pulverize the blocks as though pounded by hammers.

I believe that this type of vehicle should be required to be equipped with rubber tires in the same manner as the motor vehicles, or the loads limited to 750 pounds per inch of tire, with a maximum speed of 4 miles per hour.

The assistants employed in this department during the year are :

Assistant Engineer — Leonard J. Hathaway, Jr.

Field —	Arthur C. Kirby	James M. Hayes*
	Elmer L. Deane	Randall S. Coe*
	Edward F. Mulally	William W. Batchelder*
	Merton J. Batchelder	Milton H. Dean*
	Walter E. Wilson*	James McQuade*
	Wilfred T. Fahey	Walter G. Hamlin*
	Manuel M. Enos*	Fred W. Hewitt*
Office —	Clifford L. Wade	Benj. F. Howe
	Paul G. Covill	Raymond Viereck*

Plotting System — Edward M. Slocum and Norman Barstow

Clerks — Jessies Loughlin and Marion L. Clarke.

* Part of the year.

Respectfully submitted,

GEORGE H. NYE,
City Engineer.

GENERAL CLASSIFICATION OF WORK.

	Total Cost	
City Government and Committees :		
Court and hearing plans, etc.	$ 575.94	
Sewer investigation	503.36	
Sewer assessments	37.73	
Street layouts	845.15	
Wharf and harbor work	4.56	
Miscellaneous	71.25	$2,037.99
Assessors :		
Records, plans, surveys	2,379.05	2,379.05
Cemeteries :		
Surveys, lines, grades, records, plans, etc	125.05	125.05
Engineering Department :		
Levels, profiles, etc. for establishing grades of streets	28.18	
Boundstones and benchmarks	557.69	
Blue printing	309.55	
Clerical work	1,174.55	
Drain records	246.88	
Meteorological instruments	271.36	
Miscellaneous	1,242.67	
Office records, plans, indexing	827.55	
Street numbering	123.96	
Vacations and legal holidays	896.41	5,678.80
Health Department :		
Miscellaneous	14.56	14.56
Inspector of Buildings :		
Lines and grades for private buildings	809.82	809.82
Inspector of Wires :		
Investigation, abutters, etc. on pole and conduit petitions	53.27	
Pole plans in accordance with Sec. 12, Chap. 335 of the Acts of 1914	124.76	178.03
Park Department :		
Parks, playgrounds,—surveys, lines, grades, plans	45.98	45.98
Police Department :		
Miscellaneous	10.49	10.49
School Department:		
Miscellaneous	20.84	20.84
Street Department :		
Catch Basins, culverts, eyeholes, etc.	47.82	
Drains,—locations, grades, etc	103.72	
Sewer construction,—lines and grades: manholes	659.94	
Street construction, lines, grades, etc.	1,748.91	
Street construction,—measurement of new work	798.29	
Miscellaneous	184.69	3,543.37
Water Works :		
Lines, grades, plans, etc	267.48	267.48
Public Service Corporations :		
Lines, grades, plans, etc	274.88	274.88
Private Parties :		
Information for grade of buildings	57.15	57.15
Private Work :		
Lines, grades, plans, etc	93.74	93.74
Board of Survey :		
Surveys, levels and plans	204.81	204.81
Popes Island Bulkhead :		
Inspection of	114.26	114.26
Totals		$15,856.30
Administration		3,000.00
		$18,856.30

CITY OF NEW BEDFORD DETAILS OF SEWERS CONSTRUCTED IN 1916 — COMPILED BY ENGINEERING DEPARTMENT

STREET	LOCATION	VITRIFIED PIPE 8 inch	10 inch	12 inch	15 inch	18 inch	20 inch	22 inch	24 inch	27 inch	30 inch	33 inch	36 inch	42 inch Segmental	Concrete Varying Section	Total Length	Greatest Cut	Average Cut	Ledge Cubic Yards	Total Cubic Yards of Excavation	Character of Excavation	Manholes	Cost of Labor	Cost of Labor per Ft. of length	Cost of Material etc.	Total Cost of Sewer	Cost per ft. of length	Ordered	Commenced	Finished
COMBINED SYSTEM																														
COURT	Rockdale Ave east 289 ft.		192			166			33							391	342	1030		520	Gravel	1	98399	253	32337	131336	336	Mar 22, 1916	Mar 27, 1916	Apr 8, 1916
FLORENCE	Maxfield St south 210 ft.		232													232	746	352		91	Loam	1	17473	075	2077	19550	084	Dec 9, 1915	Dec 13, 1915	Dec 16, 1915
JONATHAN	Reed St via Arnold & Jonathan Sts.	122	314	515												951	899	725		1700	Gravel	4	100746	106	29110	129856	137	Apr 27, 1916	May 4, 1916	May 1916
KEMPTON	Rockdale Ave. west 206 ft.			252												252	747	657		214	Gravel	1	27112	108	16345	43457	172	July 24, 1916	July 26, 1916	Aug 1, 1916
ROCKDALE AVE.	Lake St. north 570 ft.	530	570													1100	1051	831		1184	Filled land	2	148454	135	54450	202904	184	Mar 22, 1916	Mar 27, 1916	Apr 8, 1916
SMITH	Shawmut Ave. to Cedar St.		482													482	983	822		513	Gravel		82721	172	31643	114364	237	May 24, 1916	Aug 1, 1916	Sept 2, 1916
UNION	Reed St. east 168 ft.	210														210	832	800		218	Gravel	1	21101	100	10467	31568	150	July 24, 1916	Aug 30, 1916	Sept 7, 1916
	Combined System Totals	862	1790	767		166			33							3618				4440		10	496606		176429	673035				
SEPARATE SYSTEM																														
AQUIDNECK	West French Ave. to Brock Ave.	400	408	48												856	1030	973		230	Gravel	4	172140		76725	248865		Nov 10, 1915	Nov 18, 1915	Dec 24, 1915
AQUIDNECK S.D.	Clarks Cove to 350' east of W. French Ave.		181	80												261	823	620		146	Gravel									
BELLEVILLE AVE. S.D.	Covell to 100' south of Covell		105		50	230			242							627	695	420		390	Sandy loam	1	65920	105	61360	127280	203	Oct 25, 1916	Nov 6, 1916	——— *
BRANSCOMB	In Conduit, Hersom to Branscomb				198											198														
BRANSCOMB S.D.	In Conduit, Hersom to Branscomb					198										198	855	860		220	Fill — Clay		27519	139	17066	44585	225	Oct 25, 1916	Nov 13, 1916	——— *
BROCK AVE. (Subsoil D)	Rodman Ave. to Capital St.	1529	1300													2829	731	436		914	Loam-gravel	4	210318	074	138320	348638	123	Oct 25, 1916	Oct 30, 1916	——— *
CANNON S.D.	Acushnet River to Water St.				500											500		400		225	Filled land		28157	056		28157		Nov 23, 1916	Nov 25, 1916	——— *
CIRCUS LOT SYSTEM																							674456		629882	1304338		July 24, 1916	Oct 1916	——— *
HEALEY S.D.	Belleville Rd. to Bates St.							399								399	971	753		390	Gravel									
CONDUIT S.D.	Bates to Shaw									351						351	818	501	91	260	Ledge-gravel									
SHAW	Conduit St. to Acushnet Ave.	504														504	867	525		440	Loam-gravel	2								
SHAW S.D.	Conduit St to Acushnet Ave.						553			70						623														
ACUSHNET AVE.	Shaw to Glennon						48	116								164	655	600		128	Gravel									
QUERY	Acushnet Ave. to 100' east of Bowditch	342	811	79												1232	1060	858	38	1371	Gravel	5								
QUERY S.D.	Acushnet Ave. to 100' east of Bowditch					190		581								771														
CONCORD	Shaw southerly 160 ft.	190														190	947	900		222	Gravel	1	26749	141	———	26749	+	Oct 25, 1916	Nov 20, 1916	Nov 25, 1916
COVE (Outfall)	East French Ave. easterly														185	185							123044		85580	208624	+	July 24, 1916	Nov 1, 1916	Dec 15, 1916
COVE S.D.	Acushnet River to Harbor St.		34		40						240		530			844	564	500		659	Sandy	4	227985	270	267265	495260	587	Nov 26, 1915	Dec 6, 1915	Jan 6, 1916
KATHARINE } S.D.	Crapo St. east 192 ft.			213												213	606	469		189	Gravel		25540	067	———	25540	+	Oct 25, 1916	Nov 3, 1916	———
WINSOR } S.D.	Crapo St. east 150 ft.			167												167														
NORTH END SYSTEM																						33	2194044		2165849	4359893		Apr 27, 1916	May 4, 1916	——— *
TRURO	River Road to Belleville Ave.	643														643	290	573		837	Gravel									
TRURO S.D.	River Road to Belleville Ave.										28				658	686														
BELLEVILLE AVE.	South of Truro St. to Harwich St.								394							394	135	773	5	694	Gravel									
BELLEVILLE AVE. S.D.	South of Truro St. to Harwich St.												205			205														
HARWICH	Belleville Ave. to Acushnet Ave.					434	40		111							585	467	125		1007	Gravel									
HARWICH S.D.	Belleville Ave. to Acushnet Ave.													590		590														
ACUSHNET AVE.	200' south of Hersom St to Tarkiln Hill Road	590	434			338										1362	300	170	67	2141	Gravel									
ACUSHNET AVE. S.D.	200' south of Hersom St. to Tarkiln Hill Road	226	132		496	210						338				1402														
HERSOM	Acushnet Ave. to 70' west of Waldo St.			193	385	553										1131	389	994	95	1504	Gravel									
HERSOM S.D.	Acushnet Ave. to 70' west of Waldo St.						193		385			175	378			1131														
CONDUIT	Hersom to Wood	149														149	940	745		294	Sandy									
CONDUIT S.D.	Hersom to Wood										248					248														
WOOD S.D.	Conduit St. to west line of Moynan St.						240		577	576	174					1567	703	648		1475	Sandy									
SHARP	Rockdale Ave. west 232 ft.		278													278	457	246		450	Gravel-boulders	1	85533	308	35989	121522	437	Aug 21, 1916	Sept 7, 1916	Sept 28, 1916
WATER	Cove St. to Delano St.		330	396	461											1187	702	891	426	2760	Gravel-Ledge	5	129760	586	639434	1937194		May 10, 1916	June 1916	——— *
WATER & COVE S.D.	Harbor St. to 72' north of Delano St.		111	206	336	199	423		506		434					2215														
	Separate System Totals	4573	4124	1382	2466	2154	1695	1096	2215	997	876	761	908	795	843	24885			722	16946		60	515917.5		411747.0	927664.5				

Total — 28503 ft = 5.40 miles — Length added to system — 26732 ft = 5.06 miles.
Entire sewer system (Including intercepting sewer) 132.83 miles — Entire cost — $3,358,999.55

* Unfinished
† Cost incomplete

S.D. Surface Drain

STREETS LAID OUT AND ACCEPTED.

Street	From	To	Date	Width and Length in feet			
				25 Feet	40 Feet	50 Feet	60 Feet
Arlington	Glennon	Query	April 26			297.46	
Bates	Acushnet Ave.	Bowditch	April 26		1,127.79		
Bedford	Ash	Waverly	June 7		125.67		
Belleville Ave.	Tarklin Hill Rd.	Mill Rd.	Oct. 25				1,537.77
Cannon	E. of	Water	Sept. 27	280.00			
Central Ave.	Acushnet Ave.	Westerly	Mar. 22			557.34	
Circuit	Bolton	Rockdale Ave.	Sept. 13			575.33	
Concord	Query	Shaw	May 25			428.90	
Conduit	Wood	N. Branscomb	April 26			520.19	
Conduit	N. Branscomb	Tarklin Hill Rd.	Aug. 2			863.63	
Felton	Hersom	N. Branscomb	April 26			268.69	
Felton	N. Branscomb	Tarklin Hill Rd.	Aug. 2			823.81	
Fulton	Rockdale Ave.	Town Line	Oct. 25			449.18	
Glennon	Acushnet Ave.	Bowditch	April 26		1,001.95		
Graham	Acushnet River	Belleville Ave.	June 7			1,075.60	
Harwich	Belleville Ave.	Acushnet Ave.	April 26			503.21	
Holden	Felton	Conduit	Aug. 2			703.65	
Jonathan	Arnold	Court	Jan. 12			868.14	
Metcalf	McCrohan	Pontiac	Sept. 28			182.74	
Milford	Carlisle	Brooklawn Ave.	April 27			751.88	
Query	Acushnet Ave.	Bowditch	April 27			1,273.30	
Richmond	Mt. Vernon	Northerly	April 26			139.72	
Rounds	Maple	Arnold	June 21			356 45	
Truro	River Rd.	Belleville Ave.	April 26			608.05	
Waverly	N. Allen	Bedford	June 7		147.95		
Westbrook	Rockdale Ave.	John	Oct. 25			696.70	
Wood	River Rd.	Belleville Ave.	Sept. 27			646.89	
		Total Length - - -		280.00	2,403.36	12,590.86	1,537.77

STREETS WIDENED

Street	From	To	Date			
Brock Ave.	Rockdale Ave.	Town Line	May 24	Both sides to 60 ft.	length	1,545.09
Felton	Wood	Hersom	Mar. 27	5 ft. on each side	length	239.16
Kempton	At Mill		Aug. 2	Cut off corner	length	56.40
Mt. Pleasant	At Tarklin Hill Rd.		May 25	Cut off corner	length	87.99
					Total length	1,928.64

STREETS — DISCONTINUED.

River Rd.	So. of	Graham	June 7	length	45.60
				Total length	45.60

STREETS — ALTERATION OF LINES

Union	Front	Acushnet Ave.	Mar. 27	14 ft. on south side discontinued.

STREETS — ALTERATION OF GRADES

Arnold	Reed	Rockdale Ave.	May 24
Fielding	Wood	Hersom	July 19
Hadley	Kearsarge	Acushnet Ave.	June 21
Jonathan	Arnold	Union	May 24
Sharp	Rockdale Ave.	Town Line	Nov. 22

Total length accepted..... 16,811.99 ft.— 3.18 miles.
Total length accepted streets Dec. 31, 1916..... 189.78 miles.

RECORD OF TIDES — 1916.

MONTH	HIGH TIDE			LOW TIDE			RANGE
	Average	Maximum	Minimum	Average	Maximum	Minimum	Average
January	—0.790	+ 1.5	—2.4	—4.318	—2.7	—5.0	3.528
February	—0.335	+ 1.0	—2.2	—3.853	—2.0	—5.1	3.518
March	+ 0.166	+ 1.8	—1.5	—3.470	—2.5	—5.0	3.586
April	+ 0.096	+ 1.2	—2.1	—3.479	—2.2	—4.5	3.575
May	—0.122	+ 1.6	—1.8	—3.610	—2.8	—4.2	3.488
June	+ 0.237	+ 1.9	—0.8	—3.206	—2.5	—3.9	3.443
July	+ 0.221	+ 1.3	—1.5	—3.222	—1.9	—4.5	3.443
August	+ 0.176	+ 1.6	—0.7	—3.070	—2.0	—4.4	3.246
September	—0.076	+ 1.1	—1.8	—3.750	—2.8	—5.1	3.674
October	—0.154	+ 1.3	—1.5	—3.596	—1.5	—4.9	3.442
November	—0.085	+ 1.8	—1.1	—3.579	—2.2	—4.9	3.494
December	—0.118	+ 1.5	—1.5	—3.781	—2.2	—6.0	3.663
Average for year	—0.065			—3.578			3.508
Extreme for year		+ 1.9	—2.4		—1.5	—6.0	

All figures above refer to so called "Mean high water" which is used at 0.85 below City Datum.

Observations for the last 21 years indicate that :
Average high water is 0.855 below City Datum.
Average low water is 4.395 below City Datum.
Average Range of tides is 3.539.

METEOROLOGICAL RECORD 1916.

From Observations by Engineering Department.

MONTH	BAROMETER REDUCED TO SEA LEVEL AND TO 32°				THERMOMETER				Relative Humidity from 5 p.m. readings	WIND									SKY			Amount of Rain or Melted Snow in Inches	MONTH
	Means of 5 p.m. readings	Maximum	Minimum	Range	Means of 5 p.m. readings	Maximum	Minimum	Range		Number of days it was Prevailing Direction.									Clear	Partly Cloudy	Cloudy		
										N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Variable					
January	30.38	30.92	29.90	1.02	36.8	64	3	61	63.1	0	3	0	1	0	10	2	9	6	14	5	12	1.63	January
February	30.27	30.84	29.25	1.59	29.2	53	1	52	69.1	2	4	0	2	0	6	1	10	4	11	4	14	3.85	February
March	30.15	30.55	29.30	1.25	36.1	59	6	53	70.2	7	0	2	1	0	2	3	13	3	18	2	11	2.89	March
April	30.19	30.55	29.64	0.91	48.2	62	34	28	70.0	3	4	1	2	2	7	0	7	4	11	5	14	3.76	April
May	30.21	30.57	29.60	0.97	61.5	80	43	37	64.3	0	2	2	5	2	13	2	4	1	11	9	11	5.53	May
June	30.24	30.45	29.96	0.49	67.3	79	48	31	70.0	1	4	2	4	1	8	1	5	4	18	3	19	4.70	June
July	30.31	30.65	29.72	0.93	73.7	88	59	29	76.6	0	5	1	1	1	16	3	2	2	13	3	15	9.39	July
August	30.27	30.52	29.93	0.59	74.9	84	58	26	71.5	0	8	1	4	0	14	1	2	1	18	8	5	2.10	August
September	30.31	30.82	30.04	0.78	67.9	82	45	37	70.3	0	4	0	2	1	15	2	4	2	23	3	4	1.68	September
October	30.42	30.85	29.97	0.88	58.1	74	40	34	72.6	3	5	1	4	2	10	1	3	2	22	4	5	3.37	October
November	30.41	30.85	29.62	1.23	45.4	61	21	40	69.9	1	4	2	1	0	8	2	11	1	22	1	7	3.24	November
December	30.18	30.74	29.21	1.53	35.2	53	10	43	67.9	1	3	0	0	0	5	2	1	3	19	2	1	2.81	December
Means for year	30.28				52.9				69.9														
Totals for year										18	46	12	27	9	114	20	87	33	200	49	117	44.95	
Extremes		30.92	29.21	1.71		88	1	87															

INTERCEPTING SEWER SYSTEM.

WILLIAM F. WILLIAMS,
Consulting Engineer.

New Bedford, Mass., January 23, 1917.

To the Board of Mayor and Aldermen:

Gentlemen:—

I beg to submit the following report of the progress of the construction of the Intercepting Sewer System during the year ending December 2, 1916.

The main intercepting sewer is completed, the terminus being at a point in Belleville avenue 127 feet north of Davis street, where it receives the force main from the pumping station under construction at the foot of Belleville road.

The force main of 24-inch vitrified clay pipe encased in concrete reinforced with steel rods, is also completed with the exception of a short section near the pumping station which will require only a few days to lay.

The substructure of the pumping station at Belleville road is completed and the pumps and piping are installed. The superstructure is under construction and the balance of the equipment is purchased. The date of completion of the building is dependent upon the weather, but if conditions are not unusually severe the station should be in operation in about four months.

A collecting sewer is under construction in Riverside avenue which will deliver to the pumping station the sewage of all the sewers between Coffin avenue and Belleville road. Regulators will be required at all connections with main sewers to control the flow to the station during heavy rains and to keep out tide water. The separate sewer system in Belleville avenue north of Belleville road will also be connected with the pumping station, which, broadly speaking, will complete the intercepting sewer system in accordance with the plans as now approved.

Another pump should be added to the Clarks Cove station to complete the same, as explained later.

There will still remain to be built to complete the entire system in accordance with the plan upon which the appropriation of $1,600,000 was authorized by the legislature, the construction of a second outfall in Buzzards Bay and the provision by small pumping stations for the sewage of a portion of the territory between the intercepting sewer and the Acushnet river. In my opinion, these matters are not pressing for an immediate decision, and they can well wait for a period of lower costs for material and equipment.

At the beginning of the fiscal year the intercepting sewer was completed to a point in Logan street 725 feet east of Acushnet avenue. It has been continued in Logan street to Front street and in the latter street to Holly street. At this point it was changed in cross section from 4 feet 7½ inches wide by 4 feet 2½ inches high to a circular section 54 inches in diameter. The material of construction was also changed from reinforced concrete to vitrified clay segmental blocks, which were used for the balance of the sewer.

The sewer was built in Holly street to Belleville avenue and in the avenue to a point 127 feet north of Davis street, reducing to 42 inches in diameter at Coffin avenue. Vitrified clay pipe sewers were laid under the intercepting sewer wherever it was considered necessary to provide for deeper connections in the future for drainage that will have to be taken to small pumping stations.

The screen station and the two pumping stations have continued to perform their work smoothly and without accident during the year. Their operating cost is shown in detail in the tables.

The Clarks Cove station was designed to have 4 pumps, of which 3 are installed, but the fourth should be added at once to provide the reserve capacity required in the event of an accident to one of the present pumps dur-

ing a heavy rainfall. I have delayed action in this matter owing to the high cost and slow delivery for such apparatus, but the demands upon this station have grown much faster than I had anticipated.

A hydraulic press for compressing the screenings at the Clarks Cove pumping station was installed during the year, and the screenings are now taken to the screen station and burned. During the year 6,493 cubic feet of wet screenings were removed from the sewage at the screen station and burned after pressing, which reduces the volume about two-thirds.

In July one grit chamber was cleaned and about 500 cubic feet of soft sludge was removed which represented the storm flow collection during one year of operation. After the addition of sawdust and shavings the material was pressed and burned. It contained very little sand and was comparatively free from objectionable odor. The sand washers are installed but it has not been found necessary to use them owing to the small amount of sand that reaches the intercepting sewer.

The intercepting sewer is now receiving practically all of the sewage of the city south of Coffin avenue, and the waterfront on both the Acushnet river and Clarks cove shows very little trace of sewage. The outfall is operating very satisfactorily. There is no floating matter and the area of discolored water is extremely small. Tests made by the State Board of Health show that there is practically no trace of sewage in the water 1,000 feet from the outlet. The regulators, however, require systematic attention and will until the volume of sewage becomes larger and more constant. A small force has been detailed to give their entire time to them, which is the only way in which they can be maintained in good working order.

The net cost of the intercepting sewer system to 1916, including engineering and inspection, December 2, was $1,233,943.93. Total expenditure for the fiscal year

1916, including engineering and inspection, was $160,048.02. For details of work done, money spent, and contracts made, see tables.

The following assistants have been employed on the intercepting sewer work during the year: Stanley G. Proverbs, Walter N. Charles, Robert S. Graham*, William H. Chase, Robert McIntyre, Jasper Sisson*, John N. O'Brien, Jr.

*Part of year.

Respectfully submitted,

WILLIAM F. WILLIAMS,
Consulting Engineer.

SUMMARY OF WORK PERFORMED BY DAY LABOR FOR THE YEAR ENDING DECEMBER 2, 1916.

SECTION 6.

In Logan and Front streets from 725 feet east of Acushnet avenue to Holly street.

Work in progress at beginning of fiscal year.

Earth excavation	11,264	cu. yds.
Rock excavation	2,243	" "
Reinforced concrete	320	" "
54" segmental block sewer	2,415	lin. ft.
48" " " "	35	" "
10" pipe separate sewer (no present outlet)	1,440	" "
10" " under sewer	316	" "

There were regulating chambers built at Washburn, Kenyon, Cedar Grove, Coggeshall and Sawyer streets.

SECTION 7.

In Holly street and Belleville avenue from Front street to 127 feet north of Davis street.

Earth excavation	5,712	cu. yds.
Rock excavation	43	" "
48" segmental block sewer	1,580	lin. ft.
42" " " "	910	" "
18" pipe under sewer	558	" "
15" " " "	521	" "
12" " " "	839	" "
10" " " "	100	" "

PIPE SEWERS UNDER INTERCEPTING SEWER.

	10"	12"
Front street:		
Logan to south of Coggeshall	1,440 ft.	
Coggeshall to south of Beetle	316 "	
Belleville avenue:		
Holly to Tallman		243 ft.
Tallman to Nye		271 "
Phillips ave. to Collette		325 "
Collette north	100 "	
	1,856 "	839 "

SEWERS REMOVED AND REPLACED BY UNDER SEWER.

	10"
Front street:	
Logan north	275 ft.
Coggeshall north	270 "
	545 "

Contracts Let during the Year 1916 for Work and Materials.

BELLEVILLE AVENUE PUMPING STATION.

PUMPS AND MOTORS.

Jan. 26, 1916. Lawrence Pump & Engine Co., Lawrence, Mass. 2 10-inch pump and motors.....$1,388.00
6 bids.

FURNISHING AND INSTALLING SWITCHBOARD, INSTRUMENTS, ETC.

March 11, 1916. Electrical Construction & Supply Co., New Bedford. For furnishing and installing switchboard, instruments, float switches, and wiring $915.00
2 bids.

WIRING.

June, 1916. Gatenby & Swift, New Bedford, Mass. For furnishing labor and materials for complete installation of conduits, condulets, junction boxes, switches, etc. $378.00
3 bids.

SUBSTRUCTURE.

April 4, 1916. Benjamin F. Watkins, New Bedford, Mass.

Item 1:	2,000 cu. yds. earth excavation.....	@	$ 2.38	$ 4,760.00
" 2:	100 " " rock excavation.....	@	3.65	365.00
" 3:	1,000 " " concrete masonry.....	@	9.85	9,850.00
" 4:	21,500 lbs. steel reinforcing.....	@	.05	1,075.00
" 5:	6,350 " structural steel beams and corner bars...	@	.065	412.75
" 6:	12,000 ft. B. M. lumber.....	@	26.00	312.00

Total estimated amount of contract.....$16,774.75
3 bids.

SUPERSTRUCTURE.

Sept. 1, 1916. Benjamin F. Watkins, New Bedford.

Item 1. For building complete the superstructure of the Belleville Avenue Pumping Station and all appurtenances described in specifications and all incidental work.....$5,771.88

Item 2. For furnishing and setting iron fence as per plans 300.00

Item 3. For furnishing and setting copper skylight with wire glass, galvanized wire screen and 12″ copper ventilator..... 341.00

Total $6,412.88

3 bids.

MAIN SEWER.

SEGMENTAL BLOCKS.

Dec. 9, 1915. American Sewer Pipe Co., Akron, Ohio.

2300 lin. ft. 54″ sewer @.....$3.49 per lin. ft.
350 lin. ft. 48″ sewer @..... 3.11 per lin. ft.
Y. & T. connections, 12″ and under.....$1.00 ea.
F. O. B. cars New Bedford.

SEGMENTAL BLOCKS.

April 13, 1916. American Sewer Pipe Co. Akron, Ohio.

910 lin. ft. 42″ sewer @.....$2,394 per lin. ft.
1310 lin. ft. 48″ sewer @..... 2.954 per lin. ft.
Branches, 6″ and under..... .475 ea.
Branches, 8″, 10″ and 12″..... .712 ea.
F. O. B. cars New Bedford.

2 bids.

REGULATORS.

Gibby Foundry Company, E. Boston, Mass.

12-inch regulators.....$200.00 each

CONSTRUCTION MATERIAL, MISC.

Bought under Street Department contracts.

MAINTENANCE FOR THE YEAR 1916.

	Labor	Electricity	Coal	Telephone	Water	Supplies and Renewals	Total
Screen House	$3,752.52	See *	$1,056.64	$39.21	$53.89	$326.31	$5,228.57
Cove Pumping Station	888.62	$1,344.48*	27.54	37.90	25.31	278.39	2,602.24
First Street Pumping Station	794.07	237.29	.....	.....	7.36	23.16	1,061.88
	$5,435.21	$1,581.77	$1,084.18	$77.11	$86.56	$627.86	$8,892.69

* Pumping Station electricity cost includes Screen House cost.

Expenditures for Fiscal Year 1916 for Account of Construction of Intercepting Sewer. Chapter 474, Acts of 1910.

	Engineering and Inspection	Construction			Operation	Totals
		Construction Contracts	Material	Labor		
Section 2	$ 3.93	.....	$ 28.30	$233.70	.....	$265.93
Section 3 *	.....	.....	5.31	.....	.....	5.31
Section 4 *	.35	.....	22.83	.....	.....	23.18
Section 5 *	132.56	.....	1,721.23	774.60	.....	2,628.39
Section 6 *	5,519.88	.....	27,499.66	50,144.86	.....	83,164.40
Section 7 *	1,935.52	.....	10,322.87	16,677 68	.....	28,936.07
Separate System Sewers	140.96	.....	122.18	758.31	.....	1,021.45
Cove Pumping Station	134.99	.....	355.50	.....	$2,602.24	3,092.73
First street Pumping Station	90.20	.....	65.00	.....	1,061.88	1,217.08
Belleville Ave. Pumping Station	2,681.45	16,129.98	7,395.20	3,755.64	.....	29,962.27
Screen House	271.53	.....	1,090.60	1,103.14	5,228.57	7,693.84
Flushing, etc.	9.01	.....	.....	600.74	.....	609.75
Accident and Compensation	.....	.....	.....	1,695.75	.....	1,695.75
Retaining Wall	2.99	.....	55.62	143.60	.....	202.21
Street Department	.....	.....	.....	518.23	.....	518.23
Totals	$10,923.37	$16,129.98	$48,684.30	$76,406.25	$8,892.69	$161,036.59

Credit	Section 5—	Material (stone and pipe)		$ 67.23	
	" 6—	" " " "		502.35	
	" 7—	" " " "	$61.01		
		Labor	37.31	98.32	
	Engineering—	.....		266.66	
	Street Department	—Labor (overcharge)		54.01	988.57
		Net expenditures			$160,048.02

* Work done by city day labor.

Expenditures for Account of Construction of Intercepting Sewer.
Chapter 474, Acts of 1910
Fiscal Years 1910, 1911, 1912, 1913, 1914, 1915 and 1916.

	Engineering and Inspection	Construction				Operation	Legal Costs	Land	Totals
		Construction Contracts	Material	Labor	Equipment				
Preliminary investigation	$4,240.44	.....	.....	.....	.....	.....	.....	.....	$4,240.44
Wharf	175.50	$7,405.80	$56.82	.....	$146.20	.....	.....	.....	7,784.32
Outfall	5,286.08	71,500.85	47,824.11	.....	.....	.....	$138.42	.....	124,749.46
Section 1	5,127.79	89,202.99	2,840.07	$ 445.37	.....	.....	.....	.....	97,616.22
Section 2	7,549.05	104,005.90	4,111.53	2,470.63	.....	.....	.....	.....	118,137.11
Section 3*	2,575.52	.....	26,160.46	56,792.91	4,530.21	.....	.....	.....	90,059.10
Section 4*	7,027.04	.....	49,898.90	79,915.65	4,023.50	$160.00	.....	.....	141,025.09
Section 5*	8,831.07	.....	70,058.54	124,504.73	988.50	.....	.....	.....	204,382.84
Section 6*	7,437.32	.....	30,499.37	59,804.88	.....	.....	.....	.....	97,741.57
Section 7*	1,935.52	.....	10,261.86	16,640.37	.....	.....	.....	.....	28,837.75
Separate system sewers	3,112.30	.....	20,810.10	50,366.88	29.00	.....	.....	.....	74,318.28
Cove Pumping Station	5,204.31	13,664.65	15,108.05	1,549.11	.....	4,660.22	.....	$5,393.75	45,580.09
First street Pumping Station	1,775.76	8,206.89	5,111.46	3,407.77	.....	1,957.93	.....	.....	20,459.81
Belleville Avenue Pumping Station	2,681.45	16,429.98	7,395.20	3,755.64	.....	.....	.....	.....	29,962.27
Screen House	4,023.03	73,690.29	35,428.52	10,850.95	48.00	9,267.93	.....	.....	143,308.72
Flushing	9.01	.....	.....	600.74	.....	.....	.....	.....	609.75
Accident and Compensation	.....	.....	.....	4,464.68	.....	.....	.....	.....	4,464.68
Retaining Wall	2.99	.....	55.62	143.60	.....	.....	.....	.....	202.21
Street Dept.	.....	.....	.....	464.22	.....	.....	.....	.....	464.22
Totals	$76,994.18	$383,807.35	$325,620.61	$416,178.13	$9,765.41	$16,046.08	$138.42	$5,393.75	$1,233,943.93

Balance to credit of account $3,056.07

*Work done by city day labor.

CITY OF NEW BEDFORD.

In Board of Aldermen,

February 8, 1917.

Received, ordered printed in the City Documents and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

February 8, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT

FOR THE

YEAR ENDING DECEMBER 31, 1916.

EDWARD F. DAHILL, Chief Engineer.

NEW BEDFORD
THE J. E. BUDLONG PRESS, PRINTERS
1 9 1 7

COMMITTEE OF THE CITY COUNCIL ON FIRE DEPARTMENT

ALDERMEN

SAMUEL A. GOODFELLOW,
Residence, 116 Hathaway Street.

SAMUEL E. BENTLEY,
Residence, 106 South Street

COUNCILMEN

GEORGE D. LACROIX,
Residence, 119 Tallman Street.

EDWARD T. GLENNON,
Residence, 545 Cottage Street.

ARTHUR A. AUDETTE,
Residence, 1205 Acushnet Avenue.

BOARD OF ENGINEERS.

CHIEF ENGINEER,
EDWARD F. DAHILL,
Residence, 11 Robeson Street.

FIRST ASSISTANT ENGINEER.
JAMES J. DONAGHY,
Residence, 159 Washington Street.

SECOND ASSISTANT ENGINEER,
VACANCY

THIRD ASSISTANT ENGINEER,
FRANK R. PEASE,
Residence, 493 County Street.

CLERK
JOSEPH P. KENNEDY,
Residence, 15 Sherman Street.

CAPTAINS IN CHARGE OF STATIONS.

REPAIR SHOP, BEDFORD STREET.
HARRY H. KIMBALL, Master Mechanic,
Appointed October 15, 1912.

HEADQUARTERS, PURCHASE STREET.
CHARLES S. WING, Telephone Operator,
Appointed August 15, 1910.

STATION NUMBER ONE,
JAMES L. HASKINS,
Appointed April 1, 1897.

STATION NUMBER TWO,
FRANK A. C. GREENE,
Appointed May 22, 1907.

STATION NUMBER THREE,
JAMES H. MAHONEY,
Appointed December 31, 1914.

STATION NUMBER FOUR,
FREDERICK E. RICKETSON,
Appointed August 15, 1910.

STATION NUMBER FIVE,
THOMAS H. FORBES,
Appointed April 1, 1897.

STATION NUMBER SIX,
JOHN W. DONAGHY,
Appointed April 1, 1897.

STATION NUMBER SEVEN,
EDWARD H. COGGESHALL,
Appointed April 26, 1910.

STATION NUMBER EIGHT,
GEORGE H. COOK,
Appointed April 1, 1897.

STATION NUMBER NINE,
AMBROSE F. MERCHANT,
Appointed December 31, 1914.

STATION NUMBER TEN
REUBEN TABER,
Appointed April 1, 1897.

STATION NUMBER ELEVEN,
JERE T. HAGGERTY,
Appointed October 19, 1908.

ASSISTANT MASTER MECHANIC,

LIEUT. JAMES H. DOWNEY,

Appointed October 15, 1912. Residence, 103 So. Sixth Street.

ASSISTANT SUPERINTENDENT FIRE ALARM.

ROBERT E. ALLEN,

Appointed March 26, 1913. Residence, 57 Bedford Street.

ASSISTANT TELEPHONE OPERATOR.

LIEUT. JAMES T. WING,

Appointed December 31, 1914. Residence, 34 Sycamore Street.

DEPARTMENT LINEMEN,

HENRY LAMEY,

Appointed March 12, 1912. Residence, 230 Kempton Street.

DEPARTMENT ENGINEERS,

JOHN H. BACKUS,

Appointed March 13, 1910. Residence, 71 Bonney Street.

MILES L. FAY,

Appointed September 21, 1913. Residence, 401 Orchard Street.

DEPARTMENT MECHANICIAN,

GEORGE H. BAYLIES,

Appointed March 13, 1910. Residence, 111 Grinnell Street.

DEPARTMENT. DRIVER

THOMAS F. BREAKELL,

Appointed May 12, 1909. Residence, 866 Rockdale Ave.

REPORT.

Headquarters Fire Department,
Office of Chief Engineer.

December 31, 1916.

To the Honorable the City Council:

Gentlemen:—I have the honor of submitting the annual report of the fire department for the year ending December 31, 1916, together with such recommendations as I deem necessary for increasing the efficiency of the department.

APPARATUS.

We have in service the following:—

Horse Drawn:

3 Second size Steam Fire Engines and Hose Wagons.
1 Combination Chemical and Hose Wagon.
1 Hose Wagon.
3 Aerial Hook and Ladder Trucks.
1 Fire Alarm Wagon.
6 Exercise and Coal Wagons.

Automobile:

1 Ahrens Fox Combination Engine and Hose Wagon.
1 Robinson " " " "
1 Webb " " " "
1 White " " " "
2 Locomobile Combination Chemical and Hose Wagons.
1 Locomobile Supply Car for Repair Department.
1 Locomobile Combination Chemical, Hose Wagon and Truck.

IN RESERVE.

1 Motor Combination Chemical and Hose.
1 Ryan Truck.
5 Steam Fire Engines.
3 Wagons.

HORSES.

There are twenty-six horses in this department, mostly in good condition.

HARNESSES.

There are nine sets for three horse hitches, twelve for two horse hitches and four single harnesses in good condition.

HOSE.

There are 17,250 feet 2½ in. cotton rubber lined hose in good condition, 2,000 feet should be added during the year.

PENSION LIST.

Mrs. Mary M. Nelson, widow of Martin S. Nelson.

Capt. Loring T. Parlow, Engine Co. No. 2 who joined the Department May 21, 1863.

FATALITIES.

Mrs. Mary Keenan died January 2, from burns sustained January 1.

Mrs. Bridget Calnan died March 11, from burns sustained the same date.

DEATHS.

EDWARD F. MAGRATH, a member of Hook & Ladder Co. No. 1;
died January 4, 1916.
Joined the Department January 1, 1900.

WILLIAM E. WATSON, Jr., 2nd Assistant Engineer,
Joined the Department, Engine Co. No. 4, July 26, 1886, rising to the rank of captain; elected Third Assistant Engineer April 29, 1901; elected Second Assistant Engineer July 27, 1904; responded to alarm at 5.26 A. M., December 26, 1916; died December 28, 1916.

His former associates transcribe the above record with sorrow and regret.

They unite in reverent tribute to one whose connection with this department was marked by earnestness of endeavor, devotion to duty, bigness of heart and honesty of thought and action, attributes which made him a popular and worthy official, a delightful comrade, a true friend.

FINANCIAL STATEMENT.

Dr.

Appropriation	$162,000.00	
Receipts	759.83	
		$162,759.83

Cr.

Salaries and wages, permanent force	$121,941.53	
Salaries, call force	16,414.12	
Horse feed and bedding	3,794.84	
Supplies and furnishings	2,301.10	
Light	1,516.62	
Telephones	620.55	
Fire Alarm	736.28	
Blacksmithing and shoeing	663.53	
Apparatus repairs	1,646.47	
Harness repairs	84.17	
Station repairs	4,586.97	
Fuel	3,444.80	
Horses and horse hire	244.50	
Hose and couplings	424.49	
Committee expenses	542.25	
Miscellaneous	1,046.47	
	$160,008.70	
Transfer to balance	2,751.13	
		$162,759.83

REPORT OF ALARMS, LOSSES, AND INSURANCE FOR THE YEAR 1916.

	---Alarms---		---Damage---		---Insurance---	
Month	Bell	Still	Buildings	Contents	Buildings	Contents
January	12	21	$1,208.77	$1,401.05	$ 34,350.00	$ 9,100.00
February	10	33	1,856.00	4,687.49	52,500.00	30,800.00
March	14	15	2,376.99	3,343.08	57,200.00	26,987.50
April	18	27	2,435.40	1,334.07	157,200.00	18,700.00
May	16	32	1,288.75	292.50	32,800.00	9,000.00
June	8	17	6,201.62	2,597.00	101,100.00	33,000.00
July	11	19	1,408.26	820.02	70,982.00	15,000.00
August	15	19	2,899.20	2,539.01	50,700.00	10,050.00
September	8	20	539.00	229.15	65,900.00	17,350.00
October	8	26	1,465.15	1,859.60	48,500.00	8,400.00
November	20	29	4,593.68	2,152.60	80,500.00	33,250.00
December	30	32	4,856.85	7,236.70	2,003,000.00	2,413,050.00
	170	290	$31,129.67	$28,492.27	$2,754,732.00	$2,624,687.50

Total reported loss..... $ 59,621.94
Total reported insurance..... 5,379,419.50

NO SIGNAL FIRES, 1916.

Damage to buildings	$1,183.58
Damage to contents,	1,220.96
Total loss reported,	$ 2,364.54
Insurance on buildings,	$218,350.00
Insurances on contents,	78,200.00
Total insurance reported,	$296,550.00
Number of no-signal fires reported,	163

By a reivision of the city ordinance in effect January 1, 1917, the Board of Engineers which has existed and has controlled this Department since 1852 will be abolished insofar as the assistant engineers aid in making appointments to the service and in making rules for its government.

The assistant engineers are, however, to be retained in the service for disciplinary, inspection, and fire control work.

It is but proper that suitable recognition of the cheerful and helpful co-operation of the assistant engineers in the management and control of this department in the past should be made.

To the surviving co-workers of the Board of Engineers I extend my deep gratitude for and my hearty appreciation of the spirit which has actuated them at all times and has made their co-operation so helpful to me and so beneficial to our city.

Within two years the Board of Engineeers has lost two of its members by death, Engineer Stephen L. Finnell in 1915 and Engineer William E. Watson, Jr., in 1916. No kinder thought, no more charitable wish can be expressed for each of these good men than that contained in my closing entry on the record book of Engineer Watson, "May he rest in peace"

RECOMMENDATIONS.

I recommend the establishment of a Fire Insurance Salvage Corps, to be located at Fire Station No. 1.

The City to furnish the quarters if the Fire Insurance Companies, which will receive the greatest benefits from the establishment of such a corps will equip and maintain the same.

Respectfully submitted,
EDWARD F. DAHILL,
Chief Engineer.

FIRE ALARM TELEGRAPH, 1916.

SUPERINTENDENT

EDWARD F. DAHILL, Chief Engineer.

ASSISTANT SUPERINTENDENT

ROBERT E. ALLEN.

LOCATION OF SIGNAL BOXES.

PRIVATE BOXES.

112 Pairpoint Corp.
113 Quissett Mill
114 City Mills
115 Potomska Mills
116 Acushnet Mills
117 HathawayM ills
118 Dartmouth Mills
12 Butler Mill
122 Holmes Mill
124 Booth Mill
125 Kilburn Mill
13 Page Mill
131 Gosnold Mills
132 Rotch Mills
133 Sharp Mill
14 Morse T. D. & M. Co.
141 Frank L. Young Co.
142 N. B. Gas & Ed. Lt. Co. Water St.
143 N. E. Steamship Co.
144 N. E. Telephone & Telegraph Co
145 U. S. R. R. Co., Power House
146 U. S. R. R. Co., Popes Island
147 Terminal Warehouse Front St.
148 J. C. Rhodes & Co., Front St.
15 N. B. Cordage Co.
16 St. Lukes Hospital

21 E. E. Taylor Shoe Co.
211 N. B. Spinning Co.
212 Wamsutta Mills
213 Grinnell Mill
214 Bristol Mill
215 Columbia Mills
216 Pierce Mills
217 Bennett Mills
218 Soule Mill
221 Whitman Mills
223 Manomet Mills
224 Nashawena Mills
225 Nonquitt Mill
226 Manomet Mill No. 3
23 Neild Mill
231 Pierce Bros. Ltd. Mill
232 Taber Mill
233 N. B. Cotton Mills
234 Beacon Mills
24 U. S. R. R. Co., Weld St.
241 Snell & Simpson
242 Smith Bros. Brewery
243 N. B. Warehouse
244 Dawson's Brewery
245 W. C. Jones Co.
246 Belleville Warehouse Nash Rd.
25 A. L. Blackmer Co.
251 N. B. Copper Co.
252 Z. B. Davis Corp.
253 Freight House, Pearl St.
254 Freight House Willis St.
255 Railroad Engine House

PUBLIC BOXES.

3 Lunds Corner
31 Acushnet Ave. and Wood St.
311 Acushnet Av. and Perry St.
313 Acushnet Av. and Belleville Rd.
315 Howard Av. and River Rd.
316 Belleville Av. and Covell St.
317 Belleville Av. and Hope St.
323 Bowditch and Shaw Sts.
324 Nash Rd. and Bowditch St.
334 Nash Rd. and Church St.
363 Shawmut Av. and Plainville Rd.
375 Tarklin Hill and Lowell St.
38 Acushnet and Squin Avs.
386 Acushnet Av. and Phillips Rd.

4 Tinkham Av & North Front St.
41 Hathaway Av. and Diman St.
411 Belleville Av. and Davis St.

412 Acushnet Av. and Davis St.
413 Bowditch St. and Coffin Ave.
414 Coffin Av. and No. Front St.
415 Belleville and Coffin Avs.
416 Acushnet Av. and Bullard St.
42 Belleville Av. and Nye St.
421 Tallman and Bowditch Sts.
422 Acushnet Av. and Sawyer St.
423 Holly and North Front Sts.
43 Acushnet Av. So.of Coggeshall St
431 Belleville Av. and Coggeshall St.
432 Cedar Grove and North Front St.
433 Bowditch and Weld Sts.
434 Hicks St., east of Howe St.
441 Brook and Earl Sts.
452 Mt. Pleasant St. near Reservoir
46 Sawyer and County Sts.
461 Coggeshall and Reynolds Sts.
462 Purchase and Cedar Grove Sts.
463 County and Clark Sts.
464 Myrtle and Clark Sts.
47 Purchase and Linden Sts.
471 County and Linden Sts.
472 Cottage and Durfee Sts.
48 Shawmut Ave. and Durfee St.
482 Shawmut Av. and Grand St.
484 Shawmut Av. and Hathaway Rd
49 Rockdale Av. and Rogers St.

5 Hazard and State Sts.
51 Purchase and Franklin Sts.
511 County and Pearl Sts.
512 Purchase and Willis Sts.
513 Acushnet Av. and Maxfield Sts.
514 Sycamore and State Sts.
515 Acushnet Av. and Seneca St.
52 Merrimac and Summer Sts.
521 Cedar and Locust Sts.
523 Shawmut Av. and Parker St.
524 Smith and Cedar Sts.
53 Kempton and Liberty Sts.
531 Kempton and Florence Sts.
532 Kempton and Reed Sts.
533 Kempton and Jenny Lind Sts.
54 Purchase and North Sts.
541 Water and North Sts.
542 Water and Middle Sts.
543 Fish Island
544 Rodman and Front Sts.
551 County and Hil man Sts.
552 County and Kempton Sts.
553 Purchase St. and Mechanics Lane
56 Union and Eighth Sts.
561 Union and Purchase Sts.
562 Union and Water Sts.
57 Hillman and Ash Sts.
58 Kempton and Cedar Sts.
581 Court and Cedar Sts.
582 Union and Park Sts.
59 Court and James Sts.

6 Purchase and School Sts.
61 Pleasant and Madison Sts.
611 Walnut and Seventh Sts.
612 Walnut and Water Sts.
613 Water and Coffin Sts.
614 Water and Leonard Sts.
615 Cannon and Second Sts.
616 Bedford and Sixth Sts.
62 Allen and Dartmouth Sts.
621 Allen and Page Sts.
622 Allen and Brigham Sts.
623 Bedford and Borden Sts.
63 Hawthorn and Page Sts.
64 Orchard and Clinton Sts.
641 Arnold and Ash Sts.
642 Arnold and Rotch Sts.

7 Howland and Second Sts.
71 Water and South Sts.
711 Purchase and Potomska S s.
712 Water and Rivet Sts.
713 Water and Division Sts.
714 Water and Cove Sts.
72 County and Grinnell Sts.
721 Rockland and Hall Sts.
722 Orchard and Fair Sts.
723 County and Mosher Sts.
73 Crapo and Rivet Sts.
731 Rivet St. and Bolton Rd.
732 Crapo and Division Sts.
74 Dartmouth and Rockland Sts.
741 Dartmouth and Dunbar Sts.

8 Almshouse
81 Brock Av. and Capitol Sts.
811 Brock Av. and Butler st.
812 Brock Av. and Mott St.
813 Ruth Av. and Salisbury St.
821 W. French Av. and Willard St.
83 E. French Av. and Cove St.

SPECIAL SIGNALS

121 struck twice, General Alarm.
22 struck once, summons Truck No. 1.
33 struck once, summons Truck No. 2.
44 struck once, summons Ttruck No. 3.
2-2-2 struck four times, Police Call.
10 blows struck twice, Military Call
15 blows, struck twice, Naval Reserve Call

HOSE COMPANY No. 1.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Oct. 31, 1882	85	Frank A. C. Greene	Captain	851 Purchase St.	Fireman
Nov. 14, 1894	83	Frank A. Lewis	Lieutenant	3 Lincoln St.	"
May 5, 1901	81	Horace S. Bennett	Hoseman	851 Purchase St.	"
May 1, 1910	82	William S. Gatenby	Hoseman	27 Pierce St.	"
May 9, 1916	80	Albert Wooley	Hoseman	405 Orchard St.	"
Jan. 3, 1915	79	Frank J. Nicklas	Hoseman	420 Purchase St.	"
March 7, 1911	84	Arthur E. Souza	Chauffeur	152 Norht St.	"

HOSE COMPANY No. 2.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
May 5, 1884	185	George H. Cook	Captain	280 Earle St.	Fireman
May 1, 1910	186	John J. Mahon	Lieutenant	81 Myrtle St.	"
Nov. 17, 1913	187	Frederick G. Gifford	Chauffeur	203 Whitman St.	"
Dec. 1, 1894	189	Antonio M. Lemos	Hoseman	176 Davis St.	"
Oct. 26, 1903	191	Frank N. Cleveland	Hoseman	217 Phillips Ave	"
Nov. 1, 1910	192	Thomas Wooley, Jr.	Hoseman	154 Purchase St.	"
Dec. 15, 1912	193	Michael J. Melia	Hoseman	211 Hathaway St	"

HOSE COMPANY No. 3.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
April 22, 1896	268	Chas. P. Johnson	Captain	489 Acushnet Av	Carpenter
Jan. 13, 1896	265	Arthur C. Smith	Lieut.	184 Palmer St.	Electrician
Sept. 14, 1903	263	Wilfred L. Bacon	Clerk	24 Hussey St.	Plumber
Jan. 12, 1892	266	Henry A. Sherman	Hoseman	270 Hawthorn St	Blacksmith
May 19, 1896	262	Chas. E. Thomas	"	42 Liberty St.	Carpenter
Feb. 16, 1888	264	Frank C. Jennings	"	81 Allen St.	Clerk
Mar. 7, 1911	267	Peter Lambert	"	298 Union St.	Fireman
April 25, 1892	260	Charles W. Allen	Driver	86 High St.	"

HOSE COMPANY No. 4.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Sept. 1, 1888	270	Jeremiah T. Haggerty	Captain	90 David St.	Fireman
Aug. 10, 1909	272	James Doran	Lieut.	236 Purchase St.	"
Dec. 9, 1894	271	Frederick E. Mosher	Hoseman	37 Woodlawn Av	"
Mar. 10, 1908	273	John Wooley	"	46 Valentine St.	"
Jan. 4, 1900	275	Richard F. Burke	"	27 Viall St.	"
Aug. 11, 1908	276	James Sanderson, Jr.	"	57 Ellen St.	"
Sept. 8, 1908	274	Allan L. Phillips	Chauffeur	113 Mott St.	"

HOSE COMPANY No. 6.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
April 5, 1889	138	John W. Donaghy	Captain	39 Crapo St.	Fireman
Oct. 31, 1882	136	N. Herbert Greene	Driver	58 Bedford St.	"
Jan. 1, 1895	124	George H. Whelan	Hoseman	224 County St.	"
Oct. 19, 1908	132	John McQuilkin, Jr.	"	451 Orchard St.	"
Oct. 1, 1902	123	Frank T. Cooke	"	144 Purchase St.	"
Sept. 11, 1906	134	Henry L. Burding	"	151 Rockland St.	"
Feb. 11, 1908	125	John Sylvia	"	145 Armour St.	"
Oct. 14, 1915	131	Percy Shepherd	"	111 Tallman St.	"

ENGINE COMPANY No. 1.

Date of Joing Dept.	No. of badge	Name	Rank	Residence	Occupation
April 24, 1893	10	James L. Haskins	Captain	1530 Purchase St.	Fireman
July 28, 1890	16	Charles H. Thomas	1st Lieut.	663 Cottage St.	Roll coverer
July 30, 1894	13	Herbert C. Gifford	2nd Lieut.	75 Maxfield St.	Foreman
Mar. 25, 1895	6	Law'ce T Woolf'nd'n	Clerk	6 Studley St.	Shoe dealer
Feb. 26, 1900	15	George Palmer	Hoseman	61 Myrtle St.	Machinist
July 28, 1902	14	William F. Thomas	"	6 Mt Plaesant l'ne	Roll coverer
July 25, 1904	11	Sidney S. Fisher	"	6 Franklin St.	Shipping Clerk
Dec. 3, 1888	12	Bartholomew P. Fury	"	130 Willis St.	Clerk
Jan. 14, 1908	9	William D. Flagg	"	5 Warwick St.	Fireman
Sept. 1, 1901	8	Hyman Mechaber	"	87 Kenyon St.	Merchant
Aug. 3, 1903	19	George H. Denham	"	1519 Purchase St.	Carpenter
Mar. 1, 1901	20	Joseph L. Crowley	Engineer	252 Chestnut St.	Fireman
Feb. 2, 1902	22	Oscar S. Hammond	Stoker	70 North St.	Carpenter
May 17, 1893	21	Edward F. A. Cowen	Driver	1196 Pleasant St.	Fireman
Dec. 31, 1888	23	William H. Yuong	"	253 Chestnut St.	"
Dec. 13, 1912	18	George T. Davis	"	54 Maitland St.	"

ENGINE COMPANY No. 3.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
May 1, 1896	31	James H. Mahoney	Captain	803 Kempton St.	Fireman
May 1, 1910	32	Frederick A. Stowell	Lieutenant	240 Palmer St.	"
April 28, 1892	33	William R. Moore	Hoseman	69 Rounds St.	"
Jan. 8, 1907	34	Ernest G.S.Teachman	"	149 Armour St.	"
May 1, 1910	35	John R. Walsh	"	136 Florence St.	"
Oct. 23, 1906	36	James S. Cooke	"	30 Buttonwood St	"
July 11, 1904	37	Frank R. Riley	"	162 Chancery St.	"
Nov. 21, 1913	38	Charles J. Calnan	Chauffeur	200 Weld St.	"

ENGINE COMPANY No. 4.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Oct. 4, 1897	44	Fred E. Ricketson	Captain	267 Purchase St.	Fireman
Aug. 29, 1904	59	William N. Whelan	Lieut.	143 Pleasant St.	"
Dec. 30, 1895	51	John E. Joseph	Hoseman	97 S. Sixth St.	"
May 28, 1894	45	Louis A. Viereck	"	111 Grinnel ;St.	"
Oct. 26, 1903	54	Frank H. Vincent	"	117 Grinnell St.	"
Aug. 10, 1909	56	Walter H.Merchant Jr	Chauffeur	61 Bay St.	"
May 1, 1910	48	Norman S. Dyer	Hoseman	396 Purchase St.	"
July 13, 1908	55	Edward A. Pollock	"	156 Grinnell St.	"
Oct. 7, 1913	42	Joseph E. Freitas	"	124 Parker Srt.	
Oct. 19, 1908	57	Edward F. Wood	'	15 Ocean St.	"

ENGINE COMPANY No. 5.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Dec. 31, 1888	70	Thomas H. Forbes	Captain	120 Chestnut St	Fireman
Dec. 28, 1891	73	Ernest L. Soule	1st Lieut.	90 Hillman St.	Wood-worker
Mar. 27, 1899	65	William C. Coon	2nd Lieut.	69 Foster St.	Painter
Oct. 1, 1885	63	Joseph C. Forbes	Clerk	299 Chancery St.	Clerk
Sept. 1, 1892	77	Charles A. Haskins	Hoseman	629 County St.	Fireman
Sept. 30, 1890	68	Thomas N. Meyer	"	219 Kempton St	Carpenter
Dec. 31, 1894	67	Charles H. Bowman	"	94 Middle St.	Teamster
April 29, 1895	72	Louis H. Almy	"	183 Chancery St.	Printer
July 31, 1899	64	Samuel E. Gabriel	"	463 Cotage St.	Janitor
July 9, 1907	69	Ernest Allen	"	105 N.Second St	Harness Maker
April 29, 1901	60	Edw. L. Moriarty	"	387 Park St.	Merchant
Jan. 14, 1908	71	Frederick A Blossom	Substitute	37 Buttonw'd St	Wood-Worker
Nov. 10, 1884	74	Benj. C. Groves	Engineer	6 Foster St.	Fireman
Mar.1, 1882	76	Charles W. Jones	Stoker	1051 Purchase St.	Contractor
May 9, 1905	75	Edward J. Bly	Driver	104 Smith St.	Fireman
Feb. 3, 1902	62	Charles H. Lawrence	Driver	93 Walden St.	Driver
July 1, 1896	61	William L. Durfee	"	144 Mill St.	"

ENGINE COMPANY No. 7.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Sept. 1, 1890	205	Edw. H. Coggeshall	Captain	13 Collins St.	Fireman
Sept. 1, 1890	204	Edward H. Booth	1st Lieut.	1 Vine St.	Retired
Sept. 1, 1890	206	John H. Ryan	2nd Lieut.	563 Cottage St.	Plumber
Jan. 3, 1893	195	John N. O'Brien	Clerk	101 Robeson St.	Merchant
Sept. 1, 1890	209	Charles A. Galligan	Hoseman	36 Pearl St.	"
Sept. 1, 1890	207	John D. Manseau	"	30 Durfee St.	Laborer
Sept. 1, 1890	203	Geo. A. Bosworth	"	674 Cottage St.	Contractor
Dec. 11, 1894	196	William Simister	"	38 Trinity St.	Merchant
Aug. 2, 1904	197	James F. Collins	"	18 Trinity St.	Plumber
April 5, 1897	210	Edward L. Wilson	"	61 Durfee St	Painter
June 10, 1908	198	Paul Gagne	Substitute	61 Merrimac St.	Teamster
Mar. 1, 1901	199	Henry Leeming	Engineer	652 Cottage St.	Fireman
Sept. 1, 1890	202	Andrew W. Tripp	Stoker	45 Durfee St.	Shoemaker
Sept. 1, 1890	200	Wm. H. H. S. King	Driver	15 E. DurfeeSt.	Fireman
June 11, 1907	212	George Pierce, Jr.	"	135 Robeson St.	"
June 1, 1907	215	Manuel Brown	"	41 Pierce St.	"
Jan. 12, 1892	201	George W. Haskins	"	18 Studley St.	"

ENGINE COMPANY No. 9.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Mar.1, 1901	146	Ambrose F M'rchant	Captain	2266 Acushnet Av	Fireman
April 2, 1895	148	William J. Moore	Lieut.	2 Felton St.	Fireman
Sept. 24, 1900	159	Frank E. Washburn	Clerk	2443 Acushnet Av	Carpenter
Nov. 10, 1908	149	Albert Crossley	Chauffeur	1034 Phillips Rd.	Fireman
Dec. 14, 1878	160	Herbert M. Spooner	Hoseman	920 Belleville Av.	Laborer
Sept. 3, 1883	151	John G. Whalon	"	906 Belleville Av.	Grocer
May 31, 1892	157	Walter H. Darling	"	2444 Acushnet Av	Sawyer
June 1, 1907	150	Horace A. Bird	"	920 Belleville Av.	Fireman
Dec. 6, 1886	145	John F. Parker	"	924 Belleville Av.	Fireman

ENGINE COMPANY No. 10.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Dec. 13, 1888	241	Reuben Taber	Captain	1005 County St.	Fireman
Nov. 1, 1910	242	John H. McDonald	Lieut.	43 State St.	"
Dec. 12, 1893	250	Arthur R McDonald	Hoseman	428 C'd'r Gr've St	"
Oct. 19. 1908	243	Wm. F. McDonald	"	147 Adams St.	"
May 9, 1905	248	Joseph A. Mahoney	"	508 Cottage St.	"
Dec. 18, 1894	245	John T. Conway	"	476 C'd'r Gr've St	"
Oct. 1, 1895	246	John E. Murphy	"	209 C'd'r Gr've St	"
Nov. 23, 1913	249	Thomas J. Summers	"	332 Tinkham Av.	"
Dec. 8, 1908	240	Peter Hebert	"	1527 Purchsae St.	"
Nov. 1, 1910	247	Philip J. Prevost	Chauffeur	Station No. 10	"

HOOK AND LADDER COMPANY No. 1.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occuptaion
June 24, 1883	105	Edward D. Francis	Captain	86 Kempton St.	Shoemaker
July 10, 1906	86	Harry A. Francis	1st Lieut.	86 Kempton St.	Radiator Repairer
Nov. 29, 1886	103	Alfred M. Gifford	2nd Lieut.	94 Maxfield St.	Clerk
Feb. 1, 1897	89	David A. Cobb	Clerk	379 Elm St.	Painter
May 19, 1896	100	John P. Thompson	Ladderman	120 High St.	Painter
April 26, 1897	106	William F. Wilcox	"	7 North St.	Hos ler
July, 2, 1894	104	Harrie B. Jennings	"	349 Reed St.	Salesman
Mar. 10, 1908	102	Walter H. Pierce	"	304 Kempton St.	Stable Keeper
Sept. 3, 1907	95	Charles E Carroll	"	247 Middle St.	Gas Foreman
Jan. 1, 1907	101	David A. Dexter	"	217 Hillman St.	Glass Cutter
Jan. 5, 1884	107	Frank Spooner	"	366 North St.	Painter
Jan. 14, 1908	87	Wm. E. Russell	Driver	130 Mill St.	Fireman
Feb. 13, 1895	97	Isaac R. Allen	Tillerman	120 High St.	"
Dec. 5, 1887	92	Geo S. Allen	Driver	297 Acushnet Av	"
Jan. 1, 1895	98	Edw. C. Neagus, Jr.	"	93 Park St.	"

HOOK AND LADDER COMPANY No. 2.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Sept. 8, 1893	176	Edward M. Murphy	Captain	8 Glover St.	Clerk
Sept. 1, 1892	174	C. Henry McCarthy	1st Lieut	87 Hazard St.	Foreman
April 14, 1908	172	Edward T. Mahoney	2nd Lieut.	508 Cottage St.	Druggist
Sept. 1, 1888	180	Peter F. Sullivan	Clerk	18 Parker St.	Book-keeper
Dec. 1, 1894	178	Daniel S. Considine	Ladderman	171 Davis St.	Merchant
Nov. 3, 1897	175	Michael E. Daley	"	238 Collette St.	Contractor
Jan. 27 1902	177	Timothy J. O'Brien	"	250 Davis St.	Laborer
June 12, 1906	179	George Entwhistle	'	1051 Acushnet Av	Laborer
July 31, 1893	181	John Woolfenden	"	69 Deane St.	Jeweler
Nov. 10 1908	183	Joseph Z. Boucher	"	253 Collette St.	Agent
Mar. 30, 1896	184	Thomas Walmsley	"	158 Davis St.	Clerk
Apri 22, 1896	167	Charles E. Robertson	Tillerman	1012 Pleasant St.	Fireman
Mar. 1, 1892	173	William Sellecks	Driver	18 Peckham St.	"
Dec. 13, 1898	171	John H Galligan	'	91 Vine St	"

HOOK AND LADDER COMPANY No. 3.

Date of Joining Dpet.	No. of badge	Name	Rank	Residence	Occupation
Dec. 15, 1892	232	Charles E. Greene	1st. Lieut.	77 Dartmouth St	Fireman
Nov. 1, 1891	218	John O'Neil	2nd Lieut.	58 Bedford St.	Glasscutter
May 3, 1904	227	Chas. A .McAvoy	Clerk	103 South St.	Merchant
Nov. 1, 1891	219	Daniel E. Nelson	Ladderman	111 County St.	Mason
Nov. 1, 1891	222	Henry R. Lindsey	"	211 County St.	Carpenter
Aug. 13, 1904	233	Michael Quinn	"	103 Rockland St.	Laborer
June 5, 1899	224	Owen J. Dowd	"	1039 So Water St.	Barber
Oct. 31, 1882	221	Marshall S. Greene	"	233 Rivet St.	Mason
Oct. 31, 1882	228	Frederick S. Nelson	"	43 Sherman St.	Mason
Jan. 13, 1898	229	Fred C Edmundson	"	32 Winsor St.	Grinder
July 9, 1907	230	William Butler	"	160 Washigton St.	Merchant
Sept. 12, 1905	220	Edgar F. Howland	"	181 Grinnell St.	Rigger
May 4 1899	234	William C. DeMello	"	211 Acushnet Av	Foreman
May 21, 1911	226	John E. McDonald	Tillerman	149 Bonney St.	Fireman
Oct. 19, 1908	231	William J. Gibbs, Jr.	Driver	184 County St.	"

THE NEW BEDFORD PROTECTING SOCIETY.

1916-1917.

President:
CHAS. S. KELLEY, JR.

DIRECTORS.

HENRY S. HUTCHINSON
THOMAS B. AKIN
CHAS. S. BAYLIES.
EDWARD B. ROBBINS
F. OSCAR COVILL
F. P. R. PATTERSON
JOSEPH F. CORNWALL
ERNEST H. BOUCHER

Secretary and Treasurer.
CHESTER P. REXFORD

Allen, Geo. H. H.
Webber, James A.
Swift, Horace W.
Blair, John K.
Dawe, William C.
Bonneau, F. A.
Bourne , Wi liam S.
Brightman, Harry C.
Brooks, Arthur T.
Coe, I. H., Jr.
Coggeshall, R. C. P.
Brooks, Andrew J.
Williams,Thos. W.
Knowles, Jos. F.
Delano, Arthur D.
Francis, James P.
Covil, Clarence W.
Gifford, Frank H.
Gifford, Thos. J.
McDonald, Henry J.
Howard, Henry, Jr.
Humphrey, Jas. L., Jr.
Taber, George C.
Knowles, Henry S.
Macy, Frederick B.
Macy, George I.
Macy. J. Roland
Manchester, P. F.
Parker, Ward M.
Allen, Lesley B.
Bliven, George F.
Mendelson, Hyman
Tuell, Clifton P.
Watson, Edwin M.
Makin, Henry J.
Parker, David L.
Perry, Samuel H.
Pitman, William H.
Poirier, Aime J.
Potter, William F.
Oesting, Edward A.
Olivier, Geo. L.
Oman, Charles E.
Smith, Nat. C.
Francis, Arthur S.
Phillips, William .C
Robinson, Wm. A., Jr.
Sharples, Charles S.
Sharples, Arthur
Smith Alex. T.
Dunham, Otis M.
Sullivan, D. J.
Sears, Louis A.
Taber, Frederic H.
Taylor, Wm. T.
Wagner, Isaiah C.
Wood, Horace
Burke, Harry
Shaw, John C.
Butler, Morgan
Whittemore, Harry E.
Chase, Chester W.
Read, W. Kempton
Budlong, James E.
Carpenter, Orrin B.

CAUSES FOR FIRES AND ALARMS, 1916.

Back draught,	4
Back fire, automobiles	4
Boiling tar ignited,	2
Boy playing with plumber's torch	1
Broken gas main,	1
Burning automobile,	1
Burning brush,	21
Burning dump,	23
Burning food,	4
Burning glove,	1
Burning grass,	8
Burning grease,	3
Burning leaves,	1
Burning rags,	1
Burning rubbish,	15
Burning soot,	54
Candle accident,	4
Careless gas piper	1
Careless smoker	8
Child and match,	22
Cigar accident,	1
Cigar in sawdust,	1
Cigarette,	1
Cigarette on awning,	3
Cigarette on fence,	1
Clothes near stove,	2
Defective chimney,	5
Defective insulation,	1
Discarded cigar,	1
Dray load of cotton afire,	1
Drying clothes on stove pipe,	1
Electricity,	4
Electric wires,	2
Electric wires set fire to decorations,	1
Falling stove pipe,	1
False alarm,	10
Faulty thermostat,	2
Fireworks,	4
Fly paper near gas,	1
Gas accident,	2
Gas cooker,	1
Gas jet ignited curtain	2
Gasoline accident	9
Gas stove accident,	2
Hot ashes in wooden barrel,	5
Hot ashes in wooden box,	2
Hot ashes on floor,	1
Hot cinders,	3
Hot flatiron in bed,	1
Lamp accident,	9
Lantern accident,	2

Live coal ignited burst oil pipe,	1
Locomotive sparks,	9
Match accident,	9
Matches and rags,	1
Mistaken alarm,	1
Motor accident,	1
Needless alarm,	1
No fire found,	10
Oil stove accident,	3
Out of city,	7
overheated chimney,	2
Overheated flue,	1
Overheated furnace pipe,	1
Overheated stove,	3
Oerheated stove pipe,	10
Rats and matches,	3
Remaining sparks,	2
Short circuit on pole,	1
Signal light,	1
Sparks from boiler,	1
Sparks from chimney,	10
Sparks from stove,	1
Sparks on roof,	3
Steam mistaken for smoke,	3
Spontaneous combustion,	10
Short circuit on pole,	1
Thawing water pipe,	4
Trespasser set fire in fire place,	1
Trolley pole ignited flag,	1
Unknown,	78
Unnecessary,	1
Unusual smoke,	18

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,
January 25, 1917.

Received, Filled and Ordered Printed in the City Documents. Sent down for Concurrence.

W. H. B. REMINGTON,
City Clerk.

IN COMMON COUNCIL,
January 25, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

THIRTY-EIGHTH ANNUAL REPORT

OF

THE BOARD OF HEALTH

OF THE

CITY OF NEW BEDFORD

To the City Council for the Year 1916.

NEW BEDFORD, MASS.:
THE A. E. COFFIN PRESS, PRINTERS
1917

HEALTH DEPARTMENT, 1916.

Members of Board

J. U. PAQUIN, M. D., Chairman — COOPER GAW

JOSEPH R. GLENNON

Agent and Executive Officer

WM. G. KIRSCHBAUM

Clerk

SUSAN J. SMALL

Assistant Clerk and Stenographer

EDNA E. WRIGHT

Medical Inspector

A. N. SENESAC, M. D.

Oculists

F. L. CLARK, M. D. — C. M. ATCHISON, M. D.

Bacteriologist

A. H. MANDELL, M. D.

Nurses

SARA W. CHACE — CATHERINE LOWNEY

Medical School Inspectors

J. F. WEEKS, M. D.
D. J. LOWNEY, M. D.
CHAS. SHANKS, M. D.
J. C. ROSS, M. D.
A. V. PIERCE, M. D.
E. P. SEAVER, Jr., M. D.
E. St. J. JOHNSON, M. D.
J. P. St. GERMAIN, M. D.
W A. NIELD, M. D.
WM. ROSEN, M. D.

Inspector of Milk and Provisions and Slaughtering

H. B. HAMILTON, D. V. S.

Sanitary Inspectors

JOHN GLENNON — THOMAS DAHONEY

EDWARD RAYMOND

Plumbing Inspectors

LOUIS H. RICHARDSON — WILLIAM DEACON

Milk Inspector and Interpreter

FREDERICK J. FRANCIS

Caretaker Isolation Hospital

PATRICK J. McDONALD

REPORT

New Bedford, January 1, 1917

To His Honor, the Mayor and Gentlemen of the City Council:

The deaths for the year 1916 numbered 1,810. The death rate per 1,000 inhabitants, calculated on the federal census bureau's estimate of the population, 118,158, was 15.31, as against 15.67 for 1915. The 1916 rate is the lowest on record.

Of the 1,810 deaths 485 were of children one year of age or under, a reduction of only ten from the year 1915. The infant death rate per 1,000 births was 131.85, against 134.55 for the year previous, and is the lowest since 1889.

INFANT MORTALITY.

The most pressing problem which confronts the board is the reduction of the rate of death among children under one year of age. Improved general sanitation, more effective control of the milk supply since 1910, and the educational work that has been carried on, have operated to decrease not only the rate of infant deaths, but the actual number of them. In 1910 the number of such deaths was 689 against 485 last year, but the decrease in the rate which this would ordinarily bring about has been largely offset by the fast declining birth rate. In 1909 there were 4,044 births, in 1916 only 3,651; in the former year the birth rate was 43.3 per 1,000 population, in 1916 only 31.1. It is probable that this reduction in births has been chiefly among the class of people where babies could be best cared for and most likely to reach maturity.

Recognizing the importance of the infant death rate, the board last year instituted measures to reduce it. An effort was made to reach women who expected to be confined, and through the nurses to instruct them in the care of themselves and of the baby when it should be born. Copies of "Baby and You" were placed in their hands, and the instructions therein contained were supplemented verbally by the nurses.

Follow-up visits were made immediately reports of births were received, and the mothers instructed in the proper care and feeding of the babies.

The effect of this work, if any, will be seen in the figures for 1917. The board is strongly of the opinion, though, that more energetic measures are required, and has arranged for the employment of at least one additional nurse, with the idea of keeping run of babies during the entire first year of their existence. It is expected that the new baby hygiene work will be well established in 1917 and that it will produce the desired results.

The infant mortality problem is a community problem, and calls for community effort. To some extent that effort is being made. The Instructive Nursing Association has been doing splendid work through its nurses' visits and its milk stations in summer and has coöperated in every way with the health department. The Children's Aid Society, too, is helping with its children's clinic. There is an opportunity, a pressing need, indeed, for the coöperation of other agencies. A classification of infant deaths indicates that prenatal influences and improper feeding are the two big factors in the death rate. The nurse is the most effectual agency for spreading the gospel of good health to the end that babies will come into the world with a better chance of living, and that the excessive number of deaths from diarrhea and enteritis at ages from 3 to 9 months—deaths probably due to improper feeding—will be reduced. Much good may be expected to result in time from the education of the children in the schools, who carry home ideas of right living and personal hygiene. Still the opportunity for further effort remains. The fact that of 485 deaths in 1916, 245, or over half, were among children of Portuguese parents, suggests an opportunity for work to be done by the Portuguese people through their churches, social and benevolent societies and other agencies.

EDUCATIONAL WORK.

In furtherance of its plan of extended educational work, the board, during the past year, has continued the display of healthgrams in the moving picture theatres, and the publication of special bulletins in the newspapers, which have generously given space to get this sort of health literature

before the public. In the spring, the Baby Welfare exhibit of the State Department of Health was brought here and shown three days each at the north end and the south end. In connection with it, health moving picture films were displayed at four performances, at each of which talks were given by Professor Selskar M. Gunn of the State Department of Health and Dr. J. U. Paquin, Chairman of the local board. Both the picture shows and the exhibit were largely attended.

FUMIGATION.

During the past year the board has tried a new policy with reference to terminal fumigation. It was formerly the rule that premises quarantined for certain diseases, including scarlet fever and diphtheria, should not be released until after they had been fumigated. The carrying out of this rule entailed time and expense. It was felt that such fumigation was of doubtful efficacy, and that it was open to the positive disadvantage of encouraging people to put their trust in formaldehyde gas and to neglect the essentials of cleanliness, fresh air, sunshine and general sanitary precautions. It was decided, accordingly, to do away with terminal fumigation in cases of scarlet fever and diphtheria, and to insist on scrubbing, airing-out and disinfection by the householder as a pre-requisite of the removal of the quarantine card. No ill effects have resulted from this policy, and no cases of these diseases could have been attributed to the abandonment of fumigation.

ANTI-ALCOHOL WORK.

In the fall of 1916, under the auspices of the Charity Organization Society, an alcohol education committee was organized to carry on a propaganda against the drinking of intoxicants. The Board of Health coöperated in this movement by the publication of an anti-alcohol bulletin, and by furnishing quarters for the alcohol clinic that is being maintained by the Norfolk State hospital.

HOUSING CONDITIONS.

Under authority of the special act of legislature passed in 1915, chapter 234, measures were taken in 1916 to pre-

vent the overcrowding of tenements and lodging houses. Measurements were made to determine the permissible number of occupants of each room, and cards were posted limiting that number. In addition "Suggestions to Tenants," printed in English, French, Portuguese and Polish, were posted in tenements and lodging houses, instructing the occupants how to maintain sanitary conditions.

GARBAGE DISPOSAL AND COLLECTION.

The most vexatious problem with which the board had to deal during the past year was one which was only in part a public health problem—the collection of garbage. In the late winter the New Bedford Extractor Company, which had been collecting and disposing of garbage under a contract made by the Board of Health for $25,500 a year, found that the cost of the work had so increased as to threaten a financial loss if economics were not effected. It made a new subcontract for collection by a new system designed to do away with the long haul to the plant by the wagons in which the collections were made. Portable boxes were used. These were delivered at transfer stations, three of which were established, and carried from there to the factory on motor trucks.

The new sub-contractors, either because of incompetence or because they found their venture unprofitable, made a sorry mess of the collection service, which became so demoralized that the public was justly incensed. The Extractor Company finally took over the collections itself, and the service improved. The transfer stations, however, were a source of many complaints and it became apparent that they would have to be abandoned.

The Board was reluctant to see the existing contract broken because it was an extremely advantageous one for the city. It recognized, however, that the price the city was paying was not meeting the cost of collections alone, and that it was only a question of time when the Company would be forced to throw up its hands. Anticipating this, it made an investigation of garbage collection systems and costs in other cities and reported the facts to the mayor, who recommended that the contract be annulled, that the highway department undertake collections, and that the Board of Health make a new contract for disposal. Acting

under these instructions from the city council, the board made a disposal contract at a sliding scale rate based as estimated population increase, beginning with $10,750 for the year 1917 and increasing 4 per cent, each year until the expiration of the contract in the summer of 1922.

In this connection it should be stated that the board believes the system of garbage reduction in operation in New Bedford is the best in the country. It is the same system, which, after thorough investigation, has been adopted for the new garbage reduction work in New York.

KEEPING OF SWINE.

A question that has always been a source of vexation is the issuance of permits for the keeping of swine within the restricted area of the city. For years it had been the policy to grant such permits, especially in the case of large stables where owners represented that pigs were needed to preserve the value of the manure for fertilizing purposes. This contention involved the view that stables were manufactories of fertilizer, whereas the more reasonable view from a health standpoint is that stables are a necessary evil, and manure an objectionable by-product which should be got rid of as soon as possible. The answer to the argument that pigs must be kept if manure is to be stored for long periods was that the long-time storage of manure was objectionable. The Board found that the largest stable in New Bedford did not keep pigs, and accordingly decided to discontinue the issuance of permits to keep swine in the restricted area, at the same time extending that area to meet the growth of the city.

ISOLATION HOSPITAL.

The Isolation Hospital was opened 35 weeks during the year—27 for scarlet fever patients and 8 for patients with diphtheria.

TEMPORARY INSANE.

During the year there were seven examinations under Chapter 394, Acts of 1911.

VACCINATIONS.

During the year there were 1322 free vaccinations performed at the office of the Department of Health.

PLUMBING.

During the year there were issued 901 permits for plumbing work of all kinds, 532 being for old buildings and 369 for new structures. The work is classified as follows:

Water closets	1,409
Sinks	1,179
Bathtubs	730
Washbowls	952
Washtubs	283
Urinals	83
Drains	86
Deep traps	4
Surface traps	16
Conductors	19
Soda fountains	2
Shower baths	2

EXPENDITURES.

December	$9,228.18
January	8,554.70
February	8,560.53
March	8,949.90
April	8,267.73
May	8,622.56
June	8,854.26
July	8,861.60
August	8,908.59
September	7,289.05
October	9,383.27
November	8,450.31
	$103,930.68

PRINCIPAL ITEMS OF EXPENDITURES.

New Bedford Sanatorium, T. B.	$40,236.62
Other Sanatoria, T. B.	1,056.40
St. Luke's Hospital, T. B.	736.86
Derby Hospital, T. B.	125.49
Cities and Towns, T. B.	528.78
Outside Relief, T. B.	1,758.70
Office Supplies	1,269.41
Salaries	26,149.66

Garbage Disposal	22,676.66
Baby Welfare and Educational	406.25
Travel	806.25
Isolation Hospital	1,733.65
Ophthalmia Neon.	949.70
Auto Hire	528.30
St. Luke's Hospital, Cont. Dis	1,006.69
Derby Hospital, Cont. Dis	718.39
Cities and Towns, Cont. Dis	399.07
Outside Relief, Cont. Dis	245.41
Street Car Tickets	320.00
Ambulance Service	212.00
Vaccination	1,023.18

LICENSED UNDERTAKERS.

Murphy & Murphy,
H. J. Proulx,
Wm. A. Payette,
W. C. Vaughan, Jr.,
Frederic P. Macedo & Son,
H. J. McDonald,
Frank L. Rogers,
J. E. Moriarty,
A. P. Lagasse & Son,
Aldege Chausse,
Rodolphe J. Carrier,
Walter S. Dillingham,
Vital Girard,
Thomas E. Greene,
Harris & Dunstan,
Peleg H. Sherman,
Charles H. Sullivan,
Jeremiah F. Sullivan,
Joseph S. Williams,
E. T. Wilson, 2nd,
Albert R. Tallman.

Respectfully submitted,

J. U. PAQUIN, M. D.,
COOPER GAW,
JOSEPH R. GLENNON,
Board of Health.

AGENT'S REPORT.

New Bedford, January 1, 1917.

To the Board of Health:

GENTLEMEN: The statistical record for the year 1916 is herewith appended.

During the year three nurses have been employed in the outside work of the department, Miss Catherine Lowney and Mrs. Sara W. Chace constantly, while Mrs. Edward Lyons, on ophthalmia neonatorum cases when needed. She has had but few days of idleness since assuming her duties in May. In that time she has made 533 visits, working in coöperation with the oculists of the board in the treatment of infected eyes in the newly born. Mrs. Chace, who has charge of the tubercular cases treated at home in addition to this phase of the work, made 2485 visits to the homes of the newly born, where midwives have officiated. Miss Lowney, the parochial school nurse, in addition to her work at these schools, has made during the year 697 investigations referred to her by the school authorities, and 659 visits to the homes of pupils under her supervision. The following table is self explanatory.

	Number of births	Reported by midwives	Visits by nurse	Reports of Ophth.Neon.	Reports of Sup.Conj.
January	274	85	228	6	8
February	289	69	199	1	4
March	260	67	209	4	6
April	280	78	213	1	6
May	279	73	267	5	14
June	298	58	202	2	6
July	286	72	186	0	3
August	277	65	224	4	3
September	263	62	185	0	8
October	274	51	186	3	12
November	256	51	155	2	3
December	253	66	231	1	4
Totals	3289	797	2485	29	77

MILK SUPERVISION.

Loose milk can no longer be legally sold in New Bedford. The board very wisely in the early part of the year enacted a regulation which prevents loose milk being sold to consumers. At the outset some of the milk peddlers were inclined to thwart the board in this effort to insure a safe supply for the city, but after several prosecutions, they

realized that the measure is a wise one and have since given no cause for complaint along that line. Some who did not comply with the requirements necessary for a sanitary handling of milk have quit the business, and the new year opens with the smallest number of licensed milk peddlers in many years.

The dairy farm inspections have been most thorough during the year. Every dairy farm in this section producing milk distributed in New Bedford has been visited. In this connection I might add that a large number of the milk producers in the neighboring towns are Portuguese, and the services of Frederick J. Francis, the Portuguese interpreter of the board proved invaluable. Instructions as to what is required by the board, given in their own tongue, proved efficacious. During the year there has been established in Rochester a model dairy plant—one of the best if not the best in the State. There is a tendency among the leading milk producers in this section to meet the demands of modern times in the handling of this article of food, but there are a number of the smaller producers who require altogether too much attention in order to keep them in line with the essentials necessary for the production of clean milk. The following table is of interest:

	No. of Samples	From Cans	From Bottles	Duplicates	BACTERIAL COUNT	
					Below 50,000 per CC	Above 200,000 per CC
January	0	0	0	0	0	0
February	0	0	0	0	0	0
March	0	0	0	0	0	0
April	124	46	78	0	121	0
May	00	33	57	2	71	7
June	167	68	99	15	114	27
July	103	39	64	9	66	22
August	153	46	107	9	111	19
September	146	45	101	11	110	18
October	52	11	41	2	37	10
November	2	2	0	0	2	0
December	0	0	0	0	0	0
Totals	837	290	547	48	632	103

HOUSING PROBLEMS.

Prominent among housing problems is the question of overcrowding in congested areas. In fact this phase of the situation has long perplexed the department. In 1914 an effort was made to bring about an improvement, but a halt was called in consequence of legal complications. Later the legislature, by special law, gave New Bedford authority to act, and today every tenement house, in which there is reason to believe that the occupants were overcrowded, has been properly placarded, each room having been measured, and the number of occupants allowed in such rooms posted on the walls. Not only has this been done, but instructions how to live, printed in English, Polish, French and Portuguese, have been posted in the hallways of every building inspected. In this connection it might be stated that the tenement house conditions in New Bedford are much better than in most cities. Here we do not have the privy vault problem, or the yard hydrant plan for tenants. Every tenement house in the congested areas is supplied with domestic water, and water closets are maintained in every house. The following are the suggestions to tenants, which have been posted as explained:

Do not spit on the floor. It means sickness.

Keep your rooms clean. Do not allow children to sleep on the floor.

Let the sunlight and fresh air enter your apartments through open windows.

Do not sleep in a room with closed windows.

In summer use screens for your windows and keep out flies. They spread disease.

Do not block up the stairways. You must have a clear way in case of fire.

Keep your swill in barrels with tightly fitting covers. Put swill in one barrel and ashes in another, the law requires it.

Always pull chain after using the water closet, and do not throw anything into the bowl except liquids.

If there is sickness in another family do not allow your children to play with the children in that family. This is a wise course to follow no matter what the nature of the illness.

The city has been divided into three districts, and during the past summer there have been made 3542 tenement house inspections, and in many cases where overcrowding was found

to exist, the parties responsible have remedied the evil. Oftentimes families were found caring for boarders to the detriment of the health of children in the family, and in such cases the occupants have either discharged their boarders or removed to tenements better fitted for the joint occupation of families and boarders.

TUBERCULOSIS.

The growth of the work the past year has been a heavy drain on the department appropriation. The number of persons treated the past year was 309, 226 of whom were maintained at the New Bedford Sanatorium, a slight increase over last year. It is a noticeable fact, however, that a large majority of those who now take advantage of institutional treatment, are persons who are either incipients or moderately advanced, and require a much longer period of treatment, than those who enter the institution as hopeless. Consequently the cost is greater, but the work accomplished is well worth the expenditure, as will be shown by the record for the year.

It is a fact which cannot be denied that the advanced case is the most dangerous; and should be taken care of first, yet the Commonwealth through the Trustees of Hospitals for Consumptives is not lending a helping hand inasmuch as it refuses to care for such patients. Oftentimes the local sanatorium has been crowded to the limit, and when requests have been made for admission to one of the State Sanatoria, invariably such requests have been turned down with this comment:—"not a suitable case for a State Institution." When this work was started several years ago it was for the avowed purpose of wiping out the "White Plague," and there can be no better way to accomplish this than by caring for advanced cases, both here and elsewhere. The State should do its part. An advanced case, able to be removed to a State Sanatorium, should have the privilege of treatment in that institution if desired. One open case, uncared for, will do more damage in a community than a dozen incipient cases, and there is no good reason why such patients are refused admission to the institutions maintained by the tax payers of the Commonwealth. Under favorable circumstances, incipient cases, given adequate care can be treated outside of the institution with success; not so the open cases, which are always a danger.

That tuberculosis is a community problem, we must all admit. The least that State officials can do is to lend a helping hand to the cities which are doing good work along this line, and New Bedford is certainly in this class. During the past year there have been several instances where applicants have preferred to take the treatment in one of the State institutions, but have not had this privilege, simply because they were not incipients. In other words they were not "suitable cases" for a State Institution.

Efficient control of this disease will never be accomplished until care is furnished for the advanced and moderately advanced patients who cannot receive proper care in their own homes. They should be encouraged to take institutional treatment, whether it be in a local or a State Sanatorium. Only by united action on the part of the State and municipality can we hope to win in this battle.

It is gratifying to notice that there has been a falling off in the number of patients, who were employed in cotton mills. The occupational record shows mill operatives to be in the lead, but as compared with a year ago there has been a falling off of 37, due in part to the fact that more attention is given to outdoor exercise. Again I would suggest to the textile worker who is forced to eat his noon day meal in the mill, after eating that he take the balance of the hour walking in the open air.

During the past year 379 cases of tuberculosis were reported, of which number 367 were of the pulmonary type. In 1915 there were 476 cases, 423 of the pulmonary type. Evidently we reached the "high water" mark in 1915, and this fact is certainly encouraging, especially to those who have been engaged in the work for the last eight years. It will also be noticed that the deaths the past year from pulmonary tuberculosis were in excess of 1915. Last year from this type of the disease there were 168 deaths, against 139 in 1915. From the death returns filed at this office, it is apparent that many who passed away in 1916 had been sufferers for several years. No doubt the coming year will show a similar result, but by 1919 there should be a very material falling off in the number of deaths because of the fact that during the past two years a very large percentage of the cases reported have been of the incipient type, a form of the disease which gives promise of cure.

In 1916 we began the year with 106 cases under treatment against 99 in 1915, while at the start of the new year (1917) we had 92—84 in the New Bedford Sanatorium, one each in Rutland and Lakeville, and six who are being cared for at their respective homes.

The nativity of the patients treated at the New Bedford Sanatorium last year follows:

New Bedford	85	Cape de Verde	3
United States	41	Germany	2
Canada	27	Wales	2
Azores	18	Italy	1
England	17	Russia	1
Ireland	7	Nova Scotia	1
Poland	5	New Brunswick	1
Austria	4	Assyria	1
Portugal	4	Greece	1
Sweden	4	China	1

The occupations of these patients are classified as follows:

Mill operatives	83	Piano tuner	1
Housework	27	Linotype operator	1
School children	51	Ropeworker	1
Clerks	14	Janitor	1
Laborers	10	Tinsmith	1
Shoe workers	6	Baker	1
Machinists	4	Designer	1
Painters	3	Upholsterer	1
Street car	3	Bar tender	1
Electrical workers	2	Fireman	1
Glass cutters	2	Steam fitter	1
Masons	2	Cook	1
Laundry workers	2	Dressmaker	1
Waitress	1	Paper hanger	1
Nurse	1		

Of the patients treated the past year at the New Bedford Sanatorium, 35 were discharged arrested, two apparently arrested, nine quiescent, 45 improved and 18 unimproved.

Aside from the treatment of cases explained above, this department has had oversight temporarily of 12 patients, who ultimately were removed to the State Infirmary. It might be stated in this connection that at the present time there are ten patients at the local institution, who perhaps might have been placed in Lakeville had they been "suitable cases," thus giving the much needed room for our own citizens, who even now are waiting an opportunity to be admitted.

COMMUNICABLE DISEASES.

The control of communicable diseases is a difficult task, especially in a community, as cosmopolitan as New Bedford. Circulars of instruction upon public health measures are required to be printed in several different languages. Even then the department is faced with the fact that many people are unable to read instructions printed in their own language, and much depends upon the children in such families, who fortunately are receiving an education. The spread of a proper knowledge of sanitation and hygiene is beset by many difficulties, but good has resulted. With a systematic plan of public nursing, even better results can be secured. The fact that over 50 per cent of the children who died the past year under one year of age, were of Portuguese parentage, is a strong argument in favor of a public nurse, one who can speak the Portuguese language as well as English. The services of such a nurse would be a big factor not only in preventing the spread of communicable diseases, but in reducing the infant mortality, as naturally she would be of great assistance to the mother in the care of her children.

SCARLET FEVER AND DIPHTHERIA.

With the opening of the school year in 1915 printed instructions to parents were distributed to the pupils in the Public and Parochial schools. These instructions were issued for the purpose of enlightening parents as to the care of children, with a view of preventing diphtheria and scarlet fever. The same precautionary literature was again distributed at the opening of the school year in 1916. So far as known New Bedford is the only city in the State which has tried this method of reaching the parents of children in the schools, and the result is being watched with interest, not only by sanitarians in this Commonwealth; but others who had knowledge of this phase of educational work in New Bedford. In this matter the School Committee gave its hearty co-operation. Good has resulted for there has been less illness among children of school age during the first four months of the school year, during the past two years as will be seen by glancing over the appended tables. One swallow does not make a Spring, and it may be that two years of this work is not sufficient time for a fair test. However the appended figures are certainly gratifying, showing as they do a very material falling off in the number of children of school age in 1915 and 1916.

COMPARATIVE TABLE—SCARLET FEVER AND DIPHTHERIA.

	1912		1913		1914		1915		1916	
	D.	S.F.	D.	S.F.	D.	S.F.	D.	S.F.	D.	S.F.
September	9	13	7	13	9	11	10	7	10	4
October	13	10	6	22	12	34	25	5	5	7
November	13	17	13	22	24	34	21	6	12	7
December	17	22	12	45	14	24	27	9	12	9
	52	62	38	102	59	103	83	27	39	27

CHILDREN OF SCHOOL AGE IN SAME PERIOD.

	1912	1913	1914	1915	1916
September	11	12	12	6	11
October	16	17	28	7	5
November	24	18	37	12	10
December	29	28	22	12	6
	80	75	99	37	32

INFANTILE PARALYSIS.

During the summer the country was startled by an epidemic of Anterior Poliomyelitis (Infantile Paralysis) which struck New York city like a hot wave. The disease spread with rapidity, and the larger cities in close proximity to the metropolis suffered seriously. So great was the alarm that not only were restrictions placed on children leaving New York but those who managed to get away were kept under observation by the authorities of the communities in which they had sought refuge. Even children passing through New York city were kept under surveillance. At the outbreak of this epidemic this phase of the work was carried on by the local department several weeks prior to the issuance of orders from the Federal authorities. This was accomplished by sending a man to Myricks, there to get the names of new arrivals via the Fall River boats, and also by placing an officer at the pier in this city on the arrival of the steamer from the metropolis. New Bedford was fortunate in having but 17 cases of this disease reported during the summer, and it is safe to say that not one-half of the number were true cases of Anterior Poliomyelitis, and not a single case was in any way due to contact with arrivals from the infected areas in the Middle States. It might be stated in this connection that Anterior Poliomyetilis first appeared in epidemic form in this vicinity in recent years, in Vermont in 1894, and since then outbreaks have occurred with increasing frequency, but the epidemic in the Middle States last summer was the most serious ever known in the United States.

CASES AND DEATHS BY MONTHS.

MONTHS	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Small Pox		Ophth. Neon.		Poliomyelitis		Pulmonary and Miliary Tuberculosis		Meningeal Tuberculosis		Other Forms Tuberculosis		Total for Month	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Jan. . . .	21	2	11	0	11	0	22	0	26	2	0	0	6	0	1	0	37	20	0	3	5	2	140	29
Feb. . . .	11	0	10	0	2	1	19	0	11	0	0	0	1	0	0	0	34	20	0	0	0	0	88	21
Mar. . . .	5	0	15	0	0	1	16	0	3	0	0	0	4	0	0	0	34	19	0	1	1	2	78	24
Apr. . . .	6	0	15	0	1	1	40	0	3	0	0	0	0	0	0	0	45	16	0	0	1	0	111	11
May . . .	10	0	16	1	2	0	20	0	6	0	0	0	5	0	1	0	28	19	0	3	3	0	91	25
June . . .	7	1	11	0	6	0	42	2	4	0	0	0	2	0	2	0	40	13	0	3	4	0	118	19
July . . .	12	0	10	0	13	1	33	0	7	1	0	0	3	0	10	0	37	10	0	2	6	1	131	15
Aug. . . .	5	1	4	0	3	0	15	0	4	0	0	0	4	0	5	1	28	9	0	0	6	1	74	12
Sept. . . .	10	2	4	1	11	1	8	0	3	0	0	0	0	0	0	0	28	5	0	2	2	3	66	12
Oct. . . .	5	0	7	0	7	0	5	0	0	0	0	0	3	0	1	0	14	14	0	1	2	0	44	15
Nov. . . .	12	3	7	0	4	0	24	0	7	1	0	0	2	0	0	0	16	11	0	1	5	2	77	18
Dec. . . .	12	0	9	0	4	0	18	0	5	0	0	0	1	0	0	0	26	12	0	2	2	1	77	15
Total . . .	116	9	119	2	64	5	262	2	79	4	0	0	31	0	20	1	367	168	0	18	37	12	1095	221

CASES AND DEATHS FOR EACH YEAR SINCE 1906.

YEARS	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Small Pox		Ophthalmia Neonatorum		Poliomyelitis		Pulmonary and Miliary Tuberculosis		Meningeal Tuberculosis		Other forms Tuberculosis	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1907 . . .	128	12	105	0	102	10	89	0	7	3	0	0	1	0	0	0	139	133	0	0	0	0
1908 . . .	91	13	175	10	98	20	483	4	54	5	0	0	3	0	0	0	190	124	0	0	0	0
1909 . . .	79	15	326	7	126	20	210	1	64	8	3	0	5	0	0	0	205	122	0	0	0	2
1910 . . .	96	24	246	5	193	17	697	3	9	3	2	0	5	0	24	8	204	102	0	17	3	6
1911 . . .	81	9	116	0	109	22	123	3	107	13	0	0	26	0	6	0	208	129	0	21	21	8
1912 . . .	125	19	141	0	117	18	481	1	20	1	2	0	35	0	4	0	246	120	3	17	46	8
1913 . . .	154	35	319	1	92	9	1290	2	67	3	29	0	58	0	19	0	284	114	8	24	50	19
1914 . . .	133	21	384	26	154	12	83	2	67	5	0	0	156	0	5	1	351	136	12	18	38	10
1915 . . .	150	26	137	7	151	21	1064	4	163	3	23	10	54	0	1	0	423	139	10	15	43	10
1916 . . .	116	9	119	2	64	5	262	2	79	4	0	0	31	0	20	1	367	168	0	18	37	12

THE DEATH RECORD.

The health of a city is determined by its death rate. While not as low as in many cities, it is gratifying to report that the past year shows the best record in years. It has been truly said that it is an easy task to reduce the death rate of a community from 20 or more a thousand, but a very difficult task to get the rate below 16, and this is certainly true of a cosmopolitan city. New Bedford's mortality rate has been kept below 20 per thousand since 1903, but the past year finds it the lowest in many years, as shown by the following table:

DEATH RATE LAST SEVENTEEN YEARS.

Year	No. of Deaths	Death Rate	Population
1900	1285	20.57	†62,442
1901	1236	19.08	*64,826
1902	1331	19.80	*67,210
1903	1590	22.84	*69,594
1904	1347	18.71	*71,978
1905	1275	17.14	†74,326
1906	1333	16.85	*79,078
1907	1546	18.38	*84,102
1908	1579	17.79	*88,591
1909	1594	17.12	*93,093
1910	1817	18.79	†96,652
1911	1730	16.94	*102,098
1912	1655	15.86	*104,302
1913	1673	15.52	*107,766
1914	1750	16.05	*109,000
1915	1719	15.67	†109,652
1916	1810	15.31	*118,158

*Estimated. †Census.

DEATHS BY AGE PERIODS FOR 1916.

	Males	Females	Total
Under 1 year	276	209	485
Under 5 years	365	289	654
From 5 to 19 years	49	38	87
From 20 to 29 years	65	53	118
From 30 to 39 years	81	62	143
From 40 to 49 years	81	64	145
From 50 to 54 years	52	42	94
From 55 to 59 years	54	42	96
From 60 to 64 years	44	51	95
From 65 to 69 years	43	61	104
70 years and over	122	152	274

COMPARATIVE TABLE OF LEADING CAUSES OF DEATHS.

	—1912—		—1913—		—1914—		—1915—		—1916—	
	Deaths	P. C.	Deaths	P. C.	Deaths	P. C.	Deaths	P. C.	Deaths	P. C.
Pulmonary T. B.....	120	7.2	114	6.8	145	8.2	139	8.0	168	9.3
All Forms T. B.....	145	8.7	155	9.2	178	10.1	164	9.5	198	10.9
Heart Disease.....	165	9.9	160	9.5	148	8.4	163	9.4	198	10.9
Broncho Pneumonia.....	56	3.3	149	8.9	155	8.8	217	12.6	177	9.7
Pneumonia.....	102	6.1	95	5.6	82	4.6	78	4.5	110	6.1
Cancer.....	88	5.3	85	5.0	88	5.0	101	5.8	93	5.2
Diarrhea (under 2).....	245	14.8	244	14.5	252	14.4	200	11.6	191	10.5

INFANT MORTALITY.

During the past year there were 485 deaths of children under one year of age. This record shows a falling off of ten in number from 1915, and the infant rate is lower than the year previous. To be exact, there were 3,651 births registered at the office of the City Clerk, giving New Bedford an infant mortality rate of 131.85, the lowest in many years. During the early part of the year the nurses in this department with the assistance of the nurses employed in the New Bedford Instructive Nursing Association took the initial step in prenatal work. This phase of the work should be continued, and as stated elsewhere in my report, the services of a trained nurse who can speak the Portuguese language as well as English, would prove a valuable asset to the department. Improper feeding of infants is no doubt the cause of a large percentage of the deaths in this class. These babies might have been saved if the parents had been given the instruction and care of physicians and a nurse. The "old country" notion of giving solids to nursing children still continues. It is a hard barrier to remove, and can only be accomplished by supervision and education. The infant death rate for the last 28 years is shown in the following table; a study of which will show that with a very much increased population since 1910 there has been with each year a gradual falling off in the number of deaths, due in a large measure to an educational propaganda which has been in force for the last seven years:

Year	Births	Deaths, Under 1	Rate
1889	1178	217	184.21
1890	1077	215	199.63
1891	1350	282	208.88
1892	1678	279	166.26
1893	1647	350	212.50
1894	1971	338	171.48
1895	1799	330	183.43
1896	2228	466	209.15
1897	2368	420	177.32
1898	2251	375	166.59
1899	2213	343	154.99
1900	2374	424	178.60
1901	2658	361	135.81
1902	2579	425	164.79
1903	2569	442	172.05
1904	2700	423	156.66
1905	2852	400	140.25

1906	3186	432	135.59
1907	3448	544	156.61
1908	3735	509	136.27
1909	4044	543	134.27
1910	3964	689	173.81
1911	4203	589	140.13
1912	3727	552	148.10
1913	3795	536	141.23
1914	3732	534	143.08
1915	3679	495	134.55
1916	3651	485	132.84

The following table gives the parentage of the leading instances of deaths of children under one year of age. This record given by months shows the children of Portuguese parentage to be very much in excess of other nationalities, the same being true for several years in the past. It would seem that a trained nurse who can speak the Portuguese language might be of very material assistance to the board in its Baby Welfare work:

	Jan	Feb	March	April	May	June	July	Aug	Sept.	Oct	Nov	Dec	Totals
Portuguese	21	16	16	13	13	10	20	43	45	16	16	16	245
United States	3	8	6	3	8	7	10	11	10	12	2	9	89
Canada	7	7	5	9	4	2	3	3	7	5	6	4	62
Austria	1	2	2	5	1	2	2	4	2	2	1	0	24
English	2	1	1	2	0	0	2	2	1	1	2	1	15
Polish	2	1	1	1	1	3	1	0	1	3	1	0	15

INFANT MORTALITY IN DETAIL.

YEAR 1916	AGES												
	Total Deaths under 1 year	Under 1 day	1–2 days	2–3 days	3 days–1 week	1–2 weeks	2–3 weeks	3 weeks–1 month	1–2 months	2–3 months	3–6 months	6–9 months	9–12 months
January	40	4	2	1	2	2	1	.	3	2	9	6	8
February	38	6	3	3	.	4	1	.	4	2	9	4	2
March	37	2	1	.	1	4	2	5	6	4	7	1	4
April	38	6	.	5	2	1	1	2	4	2	6	6	3
May	27	4	4	1	1	.	.	.	3	2	4	3	5
June	25	4	2	1	2	.	.	1	2	1	5	3	4
July	40	5	1	.	2	1	4	1	4	2	6	10	4
August	67	5	3	2	.	4	.	3	3	9	15	16	7
September	68	1	.	1	1	.	3	3	8	7	21	12	11
October	42	6	1	.	2	2	3	.	7	3	6	7	5
November	29	3	4	1	1	2	2	.	1	1	5	5	4
December	34	3	2	1	.	1	2	2	3	6	4	4	6
Totals	485	49	23	16	14	21	19	17	48	41	97	77	63
White	467												
Colored	18												
Total Males	276												
Total Females	209												

DEATHS UNDER ONE YEAR, BY DISEASES, 1916.

Classification Number	Causes of Death	under 1 day	1 day–2 days	2 days–3 days	3 da.–1 wk.	1 wk.–2 wks.	2 wks. 3 wks.	3 wks. 1 mo.	1 mo.–2 mos.	2 mos.–3 mos.	3 mos.–6 mos.	6 mos.–9 mos.	9 mos.–12 mos.	Total
1	Typhoid fever	.	.	.	.	.	.	.	.	.	.	.	.	0
6	Measles	.	.	.	.	.	.	.	.	.	.	1	1	2
8	Whooping cough	.	.	.	.	.	1	.	.	.	.	2	1	4
9	Diphtheria	.	.	.	.	.	.	.	.	.	.	.	.	0
18	Erysipelas	.	.	.	.	.	.	.	1	.	1	.	1	3
20	Pyaemia	.	.	.	.	1	.	.	.	.	.	.	.	1
28	Tuberculosis pul.	.	.	.	.	.	.	.	.	.	.	.	1	1
30	Tubercular meningitis	.	.	.	.	.	.	.	.	.	.	2	1	3
31	Tubercular peritonitis	.	.	.	.	.	.	.	.	.	.	.	.	0
49	Scurvy	.	.	.	.	.	.	.	.	.	.	.	.	0
61	Meningitis	.	.	.	.	.	.	.	.	.	.	2	.	2
61a	Meningitis cer. spinal	.	.	.	.	.	.	.	.	.	1	.	1	2
71	Convulsions infan.	.	.	2	.	1	1	.	.	.	6	1	3	14
74	Other diseases of nervous sys.	.	.	.	.	.	1	.	.	.	.	.	.	1
85	Epitaxis	.	.	.	.	.	.	.	.	.	.	.	.	0
87	Laryngismus Stridulus	.	.	.	.	.	.	.	.	.	.	.	.	0
89	Bronchitis	.	.	.	.	.	1	2	2	.	4	2	2	13
91	Broncho pneumonia	.	.	.	1	2	2	1	7	10	22	21	19	85
92	Pneumonia	.	2	.	2	.	.	.	1	1	7	5	1	19
93	Pleurisy	.	.	.	.	.	.	.	.	.	.	.	.	0
94	Pul. congestion	.	.	.	.	.	.	.	.	.	.	.	.	0
104	Diarrhœa and enteritis	.	.	.	.	5	4	11	21	19	47	36	20	163
109	Intestinal obstruction	.	.	.	.	1	.	.	1	.	.	.	1	3
120	Kidney disease	.	.	.	.	.	.	.	.	.	1	.	.	1
150	Malformation	.	2	.	.	.	1	.	.	.	.	.	1	4
151	Infan. debility icterus	28	17	6	7	8	10	3	12	7	2	4	1	105
152	Other diseases peculiar to early infancy	19	1	7	1	2	.	.	1	.	2	1	.	34
167	Burns	.	.	.	.	.	.	.	.	.	.	.	.	0
189	Cause of death not specified	.	1	1	.	.	.	.	2	2	.	.	5	11
	Cerebral Hemorrhage	1	.	.	2	.	.	.	.	.	.	.	1	4
	Hemorrhage, Intestinal	1	.	.	.	.	.	.	.	.	.	.	.	1
	Poisoning, Ac.	.	.	.	.	.	.	.	.	.	.	.	1	1
	Rickets	.	.	.	.	.	.	.	.	1	.	.	.	1
	Syphilis	.	.	.	.	.	.	1	.	.	.	.	1	2
	Suffocation, Ac.	.	.	.	.	.	.	.	1	1	2	.	1	5
		49	23	16	13	20	21	17	49	41	95	77	63	485

EXPENDITURES—CONTAGIOUS DISEASES.

Tuberculosis:		
New Bedford Sanatorium	$40,236.62	
Other Sanatoria	1,056.40	
St. Luke's Hospital	736.86	
Derby Hospital	125.49	
Paid other cities	543.16	
Treated at home	1,758.70	
Ambulance service	194.00	$44,651.23
Other diseases:		
Small Pox	$289.52	
Ophthalmia Neonatorum	876.38	
Isolation Hospital	2,132.97	
Paid other cities	399.07	
St. Luke's Hospital	1,006.69	
Derby Hospital	718.39	
Treated at home	245.41	
Ambulance service	18.00	$5,686.43
Total		$50,337.66

REIMBURSEMENTS—CONTAGIOUS DISEASES.

Subsidy	$9,879.23	
Commonwealth of Massachusetts	3,454.92	
Cities and Towns	892.78	
Other sources	488.76	
		$14,715.69

The following table gives the expenditures on account of contagious diseases since 1909:

1910	$13,000.00
1911	17,580.80
1912	33,306.31
1913	41,874.58
1914	46,606.79
1915	59,385.16
1916	50,337.66

The following is a monthly record of the work performed during the year:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Contagious diseases investigated	40	31	44	39	41	53	59	71	51	37	39	43
Houses placarded	36	21	21	23	21	20	30	13	13	12	14	19
Rooms disinfected	72	114	147	120	50	37	47	82	23	26	26	25
Schoolrooms disinfected	1	1	.	.	.	.	.	.	.	1	.	.
Nuisances abated	30	24	50	47	41	72	38	34	24	21	28	28
Privy vault nuisances	2	3	13	13	24	5	4	5	6	2	2	1
Garbage complaints	43	61	50	361	1416	1510	790	452	179	12	3	5
Bakeries inspected	7	56	48	19	24	30	9	11	15	24	50	63
Stables located	2	.	.	2	1	1	2	.	.	1	1	.
Stable inspections	226	146	124	201	200	225	182	125	152	303	295	265
Notices served	5	.	4	161	6	4	52	10	4	5	166	3
Yard inspections	81	204	719	2236	1031	2756	1405	650	1385	1674	1644	811
Hen yard inspections	3	3	5	1	17	11	4	6	3	3	8	.
Tenement houses inspected	9	4	15	24	12	24	800	1636	1082	3	36	5
Piggeries inspected	6	4	4	2	22	21	.	4	.	1	4	.
Inspection milk peddlers' plants	4	7	4	19	94	44	21	30	28	7	9	2
Dairy farms inspected	59	.	.	13	66	18	37	196	144	14	21	5
Inspection of bad milk	.	.	.	.	5	7	9	7	11	5	2	.
Nurses' visits	392	356	357	355	405	311	292	329	306	333	301	353
Nurses' visits to homes	89	79	86	73	82	68	.	.	44	55	50	33
Milk samples taken	.	.	.	124	90	167	103	153	146	52	2	.
Notices to mothers mailed	274	289	260	280	279	298	286	277	263	274	256	253
Market and store inspections	52	794	864	165	275	227	131	71	161	308	338	507
Public dumps	1	.	.	6	3	.	.	.	.	2	1	.
Fire menaces reported	.	1	2	2	3	1	2	3	1	1	10	1
Ice cream plants inspected	.	.	22	7	20	23	4	5	5	5	12	12
Oculist's visits	161	132	218	136	163	189	108	122	68	118	49	105
Nurse's (O. N.) visits	73	48	174	.	93	127	123	95	63	77	22	60
Investigations of milk plants for typhoid fever	.	.	.	.	.	.	1	.	.	.	.	.
Slaughtering inspections	107	81	76	95	47	43	33	17	37	49	130	86
Lunch cart and restaurant inspections	.	.	4	5	23	68	108	12	180	169	111	241
Public lodging houses inspected	.	.	.	18	11	5	2	.	.	1	2	.
Sausage factories inspected	.	.	.	8	3	1	1	.	1	.	.	.
Cont. disease on dairy farms	.	.	.	.	1	.	1	.	.	.	.	.
Hotel kitchens inspected	.	.	.	.	.	.	4	2	3	3	3	2
Prosecutions—milk peddlers	.	.	.	.	.	.	2	.	.	.	2	.
Cold storage inspections	.	.	.	.	.	.	1	.	.	.	.	1

Respectfully submitted,

WM. G. KIRSCHBAUM,
Agent and Executive Officer.

MORTUARY REPORT FOR THE YEAR 1916.

	CAUSE OF DEATH	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
I.	**GENERAL DISEASES.**													
1	Typhoid fever	2	2	1	1	.	.	1	.	1	.	.	.	8
6	Measles	.	.	.	.	1	2	.	.	.	.	.	.	3
7	Scarlet fever	.	.	.	.	1	.	.	.	1	.	.	.	4
8	Whooping cough	2	1	.	.	.	.	.	.	.	.	1	1	2
9	Diphtheria and croup	2	.	.	.	1	1	1	1	2	.	3	1	12
9a	Diphtheria including Croup	.	1	.	.	.	.	.	.	.	.	.	.	1
10	Influenza	.	.	.	.	.	.	.	.	.	.	1	.	1
14	Dysentery	.	.	.	.	.	.	.	1	.	.	.	.	1
18	Erysipelas	.	.	1	.	1	1	.	.	.	.	3	1	7
20	Purulent infection and septicaemia	1	2	2	1	2	1	1	.	3	1	1	.	15
28	Tuberculosis of the lungs	20	20	21	16	19	13	10	9	5	14	11	12	170
30	Tuberculosis meningitis	3	.	2	.	3	4	2	.	3	1	1	2	21
31	Abdominal tuberculosis	.	.	.	1	.	.	.	2	1	.	1	1	6
32	Potts' disease	.	.	.	.	.	.	.	.	.	.	1	.	1
34	Tuberculosis of other organs	.	.	.	.	.	.	1	.	1	.	.	.	2
36	Rickets	.	.	.	1	.	1	2	.	.	.	.	.	4
37	Syphilis	.	.	2	.	.	.	.	1	.	1	.	.	4
39	Cancer and other malignant tumors of the buccal cavity	.	.	2	.	.	.	1	.	1	.	.	.	4
40	Cancer and other malignant tumors of the stomach and liver	1	4	2	4	2	.	3	5	1	1	2	3	28
41	Cancer and other malignant tumors of the peritoneum, intestines and rectum	2	2	1	2	1	1	2	1	1	1	.	3	17
42	Cancer and other malignant tumors of the female genitals	1	1	.	2	.	.	.	3	1	2	3	2	15
43	Cancer and other malignant tumors of the breast	1	.	.	1	.	2	1	3	.	.	.	.	8
44	Cancer and other malignant tumors of the skin	.	1	.	.	.	.	.	.	1	1	.	.	3
45	Cancer and other malignant tumors of other organs and organs not specified	2	.	2	1	.	1	3	3	1	2	2	1	18
47	Acute articular rheumatism	.	1	.	.	.	.	.	.	.	.	.	.	1
50	Diabetes	.	2	1	2	.	1	3	2	2	1	1	.	15
51	Exopthalmic, Goiture	.	.	.	.	.	.	.	.	1	.	.	1	2
54	Anaemia, chlorosis	1	.	1	1	3	.	.	.	.	1	.	2	9
56	Alcoholism, acute or chronic	.	2	.	1	1	.	1	.	1	.	2	1	9
59	Other Chronic Poisonings	.	.	1	.	.	.	.	.	.	.	.	.	1
II.	**DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.**													
60	Encephalitis	.	1	3	.	.	.	.	.	.	1	.	.	5
61	Simple meningitis	.	1	1	2	1	3	2	1	2	2	1	.	16
61a	Meningitis, including cerebro-spinal fever	.	.	1	.	.	.	.	.	.	.	.	.	1

MORTUARY REPORT, 1916. (Continued).

	CAUSE OF DEATH	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
II.	(Continued).													
63	Other diseases of the spinal cord	.	.	.	.	1	.	.	1	1	.	1	1	5
64	Cerebral Hemorrhage, Apoplexy	5	4	8	6	9	6	2	6	5	11	9	12	83
66	Paralysis without specified cause	1	1	1	.	.	3	.	3	.	.	.	3	12
69	Epilepsy	.	.	2	2	1	1	.	.	.	.	.	.	6
71	Convulsions of infants	1	3	1	1	1	2	.	.	1	1	2	1	14
74	Other diseases of the nervous system	.	.	1	.	.	.	.	.	1	1	.	1	4
III.	**DISEASES OF THE CIRCULATORY SYSTEM.**													
77	Pericarditis	1	.	.	.	1	.	.	.	.	.	1	.	3
78	Acute endocarditis	2	6	3	3	3	4	3	2	1	5	1	.	33
79	Organic diseases of the heart	9	13	14	17	22	12	10	8	7	6	13	23	154
80	Angina pectoris	.	.	.	.	2	2	.	1	1	.	.	2	8
81	Affections of the arteries (atheroma aneurism, etc.)	10	5	10	7	9	9	8	6	8	5	4	5	86
82	Embolism and thrombosis	.	2	1	.	1	.	1	.	.	.	.	2	7
85	Hemorrhage; other diseases of the circulatory system	.	.	.	.	.	.	.	.	.	1	.	2	3
IV.	**DISEASES OF THE RESPIRATORY SYSTEM.**													
87	Diseases of the larynx	.	.	1	.	.	.	.	.	.	.	.	1	2
89	Acute bronchitis	3	5	3	1	.	2	1	.	2	.	1	1	19
90	Chronic bronchitis	.	1	.	.	.	.	8	.	.	.	.	.	9
91	Broncho-pneumonia	16	33	27	22	24	11	4	6	7	6	7	14	177
92	Pneumonia	20	14	18	9	12	5	3	4	2	3	8	12	110
93	Pleurisy	.	.	.	.	.	.	1	.	.	.	1	.	2
94	Pulmonary congestion, pulmonary apoplexy	2	.	1	.	.	2	.	.	.	2	1	.	8
96	Asthma	.	.	.	.	.	.	.	1	.	1	1	.	3
97	Pulmonary Emphysema	.	.	.	.	.	1	.	.	.	.	.	.	1
98	Other diseases of the respiratory system (phthisis excepted)	1	.	.	.	3	.	.	.	.	.	.	.	4
V.	**DISEASES OF THE DIGESTIVE SYSTEM.**													
101	Diseases of the Œsophagus	.	.	.	.	.	.	.	.	.	.	1	.	1
102	Ulcer of the stomach	1	.	1	.	2	.	.	.	.	.	.	.	4
103	Other diseases of the stomach (cancer excepted)	2	1	.	1	7	1	.	.	1	.	1	1	15

MORTUARY REPORT, 1916. (Continued).

	CAUSE OF DEATH	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
V.	(Continued).													
104	Diarrhoea and enteritis (under two years)	3	1	6	4	.	7	17	54	59	18	10	12	191
105	Diarrhoea and enteritis (two years and over)	1	1	.	1	.	.	.	1	.	.	.	.	4
109	Hernias, intestinal obstructions	1	3	1	1	1	3	1	2	2	2	1	1	19
110	Diseases of the intestines	.	.	.	.	1	.	.	1	.	1	.	.	3
113	Cirrhosis of the liver	.	1	.	4	1	.	.	.	.	.	.	1	7
113a	Including: Due to Alcoholism	.	.	.	.	.	.	.	2	.	.	.	.	2
114	Biliary calculi	.	.	.	.	.	2	2	.	.	1	.	.	5
115	Other diseases of the liver	.	.	2	1	.	.	.	1	.	.	.	1	5
117	Simple peritonitis (non-puerperal)	1	1	.	2	2	4	.	.	2	2	2	1	17
118	Other diseases of the digestive system (cancer and tuberculosis excepted)	.	.	.	.	.	1	.	.	.	.	.	.	1
VI.	NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.													
119	Acute nephritis	2	4	1	.	2	1	2	3	1	1	.	.	17
120	Bright's disease	2	3	2	2	3	10	5	5	2	1	2	3	40
122	Other diseases of the kidneys and annexa	.	1	3	2	2	.	.	4	2	2	.	1	17
124	Diseases of the bladder	.	.	.	.	.	.	.	.	.	.	.	3	3
126	Diseases of the prostate	.	.	.	.	.	.	.	.	.	.	1	1	2
129	Uterine tumors (non-cancerous)	.	1	.	.	.	.	.	.	.	.	.	.	1
130	Other diseases of the uterus	.	.	.	.	.	.	1	.	.	.	.	.	1
VII.	THE PUERPERAL STATE.													
135	Puerperal hemorrhage	.	.	1	.	.	.	.	1	.	.	.	.	2
137	Puerperal Septicaemia	.	.	.	4	3	1	.	1	.	.	1	2	12
138	Puerperal albuminuria and convulsions	2	1	.	.	.	.	.	.	.	.	1	.	4
139	Puerperal phlegmasia alba dolens, embolus, sudden death	1	.	.	.	.	.	.	.	.	.	.	.	1
VIII.	DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.													
142	Gangrene	1	.	.	3	.	.	.	1	.	.	.	.	5
143	Furuncle	1	.	.	.	.	.	.	1	.	.	.	.	2
X.	MALFORMATIONS.													
150	Congenital malformations (still-births not included)	1	.	.	.	1	1	.	.	1	.	.	1	5

MORTUARY REPORT, 1916. (Continued).

	CAUSE OF DEATH	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
XI.	**DISEASES OF EARLY INFANCY.**													
151	Congenital icterus, debility and sclerema	4	6	3	14	4	6	9	9	4	11	7	6	83
152	Other diseases peculiar to early infancy	6	5	4	3	5	1	2	4	1	1	2	2	36
XII.	**OLD AGE.**													
154	Senility	2	2	·	2	·	1	·	·	2	·	2	2	13
XIII.	**AFFECTIONS PRODUCED BY EXTERNAL CAUSES.**													
155	Suicide by poison	·	1	·	·	·	·	1	·	·	·	·	·	2
156	Suicide by asphyxia	2	3	·	·	·	3	·	1	2	1	1	·	13
157	Suicide by hanging or strangulation	·	·	·	·	2	·	·	·	·	1	·	·	3
158	Suicide by drowning	·	·	·	1	·	·	1	·	·	·	·	·	2
159	Suicide by firearms	·	·	1	·	·	·	·	·	·	·	·	·	1
160	Suicide by cutting or piercing instruments	·	·	1	·	1	·	1	·	·	·	·	1	4
164	Poisoning by food	·	·	·	·	·	·	·	1	·	·	·	·	1
165	Other acute poisonings	·	·	·	1	·	·	·	·	·	1	·	·	2
166	Conflagration	·	·	·	·	1	·	·	·	·	·	·	·	1
167	Burns (conflagration excepted)	1	·	1	3	·	·	1	1	·	·	·	1	8
168	Absorption of deleterious gases (conflagration excepted)	3	1	·	1	·	·	1	·	1	·	4	2	13
169	Accidental drowning	1	1	·	·	1	1	·	1	2	·	·	·	7
170	Traumatism by firearms	·	·	·	·	·	·	·	·	1	·	·	·	1
172	Traumatism by fall	1	1	·	·	·	·	2	·	·	·	·	1	5
175	Traumatism by other crushing (vehicles, railroads, landslides, etc.)	·	·	1	·	·	·	·	1	·	1	1	·	4
177	Starvation	1	·	·	·	·	·	·	·	·	·	·	·	1
181	Electricity (lightning excepted)	·	·	·	·	·	·	·	·	·	1	·	·	1
185	Fractures (cause not specified)	·	·	·	·	·	1	·	·	·	·	2	·	3
186	Other external violence	·	·	1	1	·	2	2	4	4	2	2	5	23
XIV.	**ILL-DEFINED DISEASES.**													
188	Sudden death	2	1	·	·	·	·	·	·	·	·	·	·	3
189	Cause of death not specified or ill-defined	1	7	1	1	2	·	2	4	3	1	2	2	26
		152	174	165	156	166	137	125	173	155	119	127	161	1810

Population, 118,158. Death rate per 1000, 15.31.

Respectfully submitted,

SUSAN J. SMALL, Clerk.

DEATHS BY AGES, 1916.

	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 day. . .	4	.	5	1	.	2	3	3	3	1	1	3	4	1	2	3	1	.	4	2	3	.	1	2	31	18
1–2 days	1	1	2	1	1	.	.	.	2	2	1	1	.	1	2	1	.	.	1	.	2	2	2	.	14	9
2–3 days	.	1	1	2	.	.	2	3	1	.	.	1	.	.	2	.	1	.	.	.	1	.	.	1	8	8
3 days–1 wk. . .	.	2	.	.	.	1	.	2	1	.	2	.	1	1	.	.	.	1	1	1	1	.	.	.	6	8
1–2 wks.	1	1	4	.	2	2	1	.	.	.	.	.	1	.	2	2	.	.	2	.	.	2	1	.	14	7
2–3 wks.	.	1	.	1	1	1	1	.	.	.	.	.	2	2	.	.	1	2	3	.	2	.	1	1	11	8
3 wks.–1 mo. . .	.	.	.	.	4	1	1	1	.	.	.	1	1	.	2	1	1	2	.	.	.	.	.	2	9	8
1–2 mos.	2	1	2	2	2	4	3	1	1	2	.	2	2	2	3	.	6	2	7	.	1	.	1	2	30	18
2–3 mos.	2	.	2	.	3	1	.	2	1	1	1	.	1	1	4	5	5	2	1	2	1	.	3	3	24	17
3–6 mos.	6	3	5	4	2	5	5	1	3	1	4	1	4	2	8	7	8	14	3	2	4	1	2	2	54	43
6–9 mos.	2	4	4	.	1	.	2	4	3	.	.	3	8	2	9	7	6	6	5	2	2	3	2	2	44	33
9–12 mos. . . .	5	3	1	1	3	1	1	2	2	3	2	2	.	4	3	4	5	6	3	2	3	1	3	3	31	32
1 yr.	6	2	4	3	2	6	6	4	6	6	5	3	6	5	5	5	4	4	4	1	2	5	6	3	56	47
2 yrs.	.	.	2	4	2	2	.	1	5	2	3	.	2	.	2	3	.	1	.	1	2	1	1	3	19	18
3 yrs.	1	1	.	.	.	1	.	.	1	1	.	.	.	.	2	1	.	1	1	.	.	2	2	.	7	7
4 yrs.	.	2	2	.	.	1	.	.	2	1	1	.	.	1	.	1	1	.	.	1	1	1	.	.	7	8
5–9 yrs. . . .	1	1	.	1	1	3	3	2	2	2	2	2	2	3	1	.	3	2	.	.	1	.	1	.	17	16
10–14 yrs. . .	1	.	.	.	2	.	2	.	1	2	1	.	.	.	.	3	2	1	.	1	2	2	.	.	11	9
15–19 yrs. . .	5	.	1	2	.	.	.	3	3	1	1	3	.	1	4	.	1	2	5	.	.	.	1	1	21	13
20–24 yrs. . .	1	3	4	1	4	.	2	2	4	3	.	2	1	2	4	2	2	2	2	.	5	4	4	2	33	23
25–29 yrs. . .	2	2	4	6	3	2	1	4	5	2	1	1	5	1	3	3	.	2	5	2	2	2	1	3	32	30
30–34 yrs. . .	5	2	3	5	6	2	3	3	7	6	5	4	2	.	1	1	3	2	3	1	2	.	1	2	41	28
35–39 yrs. . .	4	1	4	7	5	4	2	6	4	4	1	2	8	.	1	4	2	1	3	1	4	3	2	1	40	34
40–44 yrs. . .	2	1	6	1	3	3	4	2	3	4	3	1	1	2	4	4	2	.	4	1	5	5	4	5	41	29
45–49 yrs. . .	5	2	6	2	3	2	3	2	4	2	5	3	1	4	4	1	1	5	4	4	1	2	3	6	40	35
50–54 yrs. . .	6	3	3	3	6	7	4	5	5	3	4	3	4	2	5	5	5	1	1	3	4	3	5	4	52	42
55–59 yrs. . .	5	3	5	5	3	5	5	5	5	5	6	5	3	2	6	4	1	4	7	1	3	1	5	2	54	42
60–64 yrs. . .	8	7	5	5	5	6	3	4	3	2	3	5	4	4	.	4	4	3	2	3	.	2	7	6	44	51
65–69 yrs. . .	2	5	7	6	2	4	3	6	6	5	4	6	5	3	1	7	1	5	3	1	4	3	5	10	43	61
70–74 yrs. . .	1	5	2	5	3	5	2	7	4	3	3	3	2	2	2	3	3	4	3	1	4	2	5	5	34	45
75–79 yrs. . .	6	5	2	7	7	7	1	2	6	.	5	4	.	1	1	3	1	4	3	.	.	7	3	4	35	44
80–84 yrs. . .	2	.	5	2	5	3	4	9	1	5	5	3	1	4	3	1	1	1	4	2	.	4	4	6	35	40
85–89 yrs. . .	1	2	3	4	1	.	1	2	2	.	1	2	.	.	.	.	.	1	.	.	.	3	2	1	11	15
90–94 yrs. . .	.	.	.	.	1	.	.	.	1	.	1	.	.	1	.	2	.	2	.	.	1	1	.	.	4	6
95–99 yrs. . .	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	.	3	2
100 + yrs. . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	0
Whole No. . . .	87	65	88	86	84	81	68	88	97	69	71	66	71	54	86	87	71	84	84	35	64	63	79	82	956	854
Stillborn . . .	8	2	5	7	6	3	9	2	6	9	10	4	6	3	8	8	8	3	8	8	7	5	5	1	86	54
White	80	62	81	83	78	79	61	86	89	68	71	56	68	53	85	82	67	80	76	33	60	59	77	78	893	819
Colored	7	3	7	3	6	2	7	2	8	3	.	10	3	1	1	5	4	4	8	2	4	4	2	4	57	41

Total deaths, 1,810: White, 1,712; Colored, 98. Total Stillborn, 141.

Respectfully submitted,

S. J. SMALL, Clerk.

REPORT OF INSPECTOR OF MILK AND PROVISIONS.

New Bedford, Jan. 1, 1917.

To the Board of Health:

Gentlemen:—I herewith submit my report as inspector of Milk and Provisions for the year 1916. During the year I have issued 157 team licenses and 415 store licenses for the sale of milk and 5 team licenses and 43 store licenses for the sale of oleomargarine, making a total of 620 for which the regular fee of 50 cents each has been collected and paid to the City Treasurer and his receipt therefor taken and placed on file. That the milk peddling business is gradually but surely coming into the hands of the large dealer has been shown very plainly this year for of 157 licenses granted since January 1st there are now only 107 in force. A number of licenses have been revoked on account of noncompliance on the part of the licensee with the rules and regulations of the Board of Health governing the production, care and sale of milk in the city of New Bedford, the principal offence being the bottling of milk on the street. Early in the year a license to peddle milk was refused to a party who was not properly fitted up and he proceeded to sell without a license, and was brought into court and convicted; he applied again for a license and was refused and this time he appealed to the State Department of Health when after a hearing the refusal of the inspector to grant him a license was sustained. The premises of every man producing milk for sale in this city have been inspected during the year and a great many changes and improvements have been ordered which necessitated a reinspection in all such cases to see that the orders were properly carried out. The majority of the producers were agreeable to the making of any improvement, which was not too expensive, in order that they might better and in a more cleanly manner handle their milk. In some cases it was necessary to shut off the milk supply temporarily to make more impressive the order to clean up and improve conditions a procedure which rarely ever failed to bring the desired results though in one or two cases the selling of the cows and giving up business altogether was the way the owner solved the problem. The large number of store licenses issued this year over previous years is due to the fact that all restaurants and drug stores in addition to the

grocery and provision stores selling milk have been required to take out a license. All the above stores have been inspected and instructions given, where necessary for the proper care and handling of milk. During the ice cream season the various plants have been frequently inspected, the tendency among the manufacturers is to modernize their plants and machinery. The cold storage plant has been inspected twice, (in July and December), and conditions then found O. K. The hotel kitchens have been inspected once each month and an improvement noticed in general cleanliness, especially in one or two where there was great need of same. An inspection is required of all the sausage factories before a license is given them by the board of aldermen and this has been made by request of city clerk as soon as the application was filed.

Respectfully submitted,

H. B. HAMILTON,
Inspector of Milk and Provisions.

OCULISTS' REPORTS.

New Bedford, Jan. 1, 1917.

To the Board of Health:

Gentlemen:—I herewith submit the following report as an attending oculist for the treatment of diseases of the eye as required by the Board. I began my duties March 1, 1916.

During that time I have made seven hundred and ninety-two (792) visits to infants and children suffering with diseases of the eye during the ten months ending Dec. 31, 1916. I am pleased to record every case made a complete recovery with no impairment of vision.

Respectfully submitted,

CHARLES M. ATCHISON, M. D.,
Oculist.

Dear Sirs:—The following report of my visits to children with inflammation of the eyes dates from March 1, 1916, to January 1, 1917.

I have made 207 calls for simple conjunctivitis; 198 calls for suppurative conjunctivitis; 88 calls for ophthalmia neonatorum; making a total of 493 calls. I am pleased to report that all cases have made perfect recoveries.

F. C. CLARK, M. D.

MEDICAL INSPECTOR'S REPORT.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—I herewith submit my report as Medical Inspector and attending physician for contagious cases for the Board for the year ending December 31st, 1916.

Released 112 cases of Scarlet Fever.
Took 132 cultures for Diphtheria.
Diagnosed 208 cases of Tuberculosis.
Investigated the following cases:

Anterior poliomyelites,	48
Suspicious cases of Small Pox,	2
Meningitis,	2
Measles,	6

Gave anti-typhoid vaccine to 8 persons; also kept under surveillance 97 children exposed to Anterior Poliomyelitis.

Treated 38 cases of Tuberculosis; 2 of Diphtheria; 7 of Scarlet Fever and 1 of Measles. Signed 25 death certificates.

Respectfully submitted,

A. N. SENESAC,
Medical Inspector.

SCHOOL EXAMINER'S REPORT.

New Bedford, Mass., Jan. 19, 1917.

To the Board of Health, City of New Bedford:

Gentlemen:—I herewith submit a summary report of the physical examinations made by me of the school children between the ages of fourteen and sixteen who applied for the employment certificate during the year 1916.

Number examined for the permanent certificate,	1437
Number examined for the vacation certificate,	208
Number examined for the age certificate,	124

During 1916 fewer physically unfit children have applied than formerly; and the parents of those having minor ailments have shown greater willingness to yield to a suspension of the certificate until these cases could be referred to the family physician and satisfactory assurance be received from him, of proper attention. Such cases as the following have been referred to the family physician:

Defective vision, otitis media, carious teeth, hypertrophied tonsils and adenoids, neglected colds, chlorosis, valvular heart lesions.

Of the 124 children examined for the age certificate there were several who were so evidently under the alleged age that they were refused certification. A considerable number were able to produce passport or other tolerable evidence of alleged age and were certified, though in some of these cases there was a suspicion of fraud.

Respectfully submitted,

HARRY V. WEAVER, M. D.,
Examiner.

REPORT OF BACTERIOLOGIST.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—I herewith submit my report of the year ending December 31, 1916:

Diphtheria—

Whole number of cultures examined	389
Whole number of cultures positive	51
Whole number of cultures negative	333
Whole number of cultures unsatisfactory	5
Whole number of first cultures positive	45
Whole number of first cultures negative	212

Tuberculosis Pul.—

Whole number of specimens examined	235
Whole number of specimens positive	64
Whole number of specimens negative	160
Whole number of specimens unsatisfactory	11

Tuberculosis Pul. at New Bedford Sanatorium—

Whole number of specimens examined	195
Whole number of specimens positive	102
Whole number of specimens negative	89
Whole number of specimens unsatisfactory	4

Typhoid Fever—

Whole number Widal Test	13
Whole number positive	3
Whole number negative	10

Respectfully submitted,

A. H. MANDELL, M. D.,
Bacteriologist.

NURSE'S REPORT.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—I herewith submit my report for the year ending December 31, 1916. During the year I have made 4090 calls, 2485 of which were upon the newly born reported to this department by physicians and midwives; the balance of visits being made upon persons suffering with tuberculosis.

Respectfully submitted,

SARA W. CHACE, R. N.

REPORT OF NURSE FOR THE PAROCHIAL SCHOOLS.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—I herewith submit my report for the year ending December 31, 1916. In addition to the regular inspections in the Parochial Schools, I have, during the year, made 659 visits to the homes of pupils, besides investigating other cases in connection with this work.

Respectfully submitted,

CATHERINE W. LOWNEY.

REPORT OF INSPECTOR OF SLAUGHTERING.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—My report as Inspector of Slaughtering for the year 1916 is herewith submitted:

Number of beef cattle slaughtered	139
Number of swine slaughtered	452
Number of calves slaughtered	277
Number of sheep slaughtered	1

Of the beef cattle 10 were condemned as unfit for food all on account of being affected with Tuberculosis. Of the calves 2 were condemned being immature. The pigs and sheep were all found healthy and none were condemned.

Respectfully submitted,

H. B. HAMILTON,
Inspector of Slaughtering.

PLUMBING INSPECTORS' REPORTS.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—Following is the work performed by me for the year ending December 31, 1916:

Inspections, including investigations of nuisances and defective plumbing, 2351

Respectfully submitted,

LOUIS H. RICHARDSON,
Inspector of Plumbing.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health:

GENTLEMEN:—I herewith submit the following report for the year ending December 31, 1916:

Inspections of plumbing, 2459.

Respectfully submitted,

WILLIAM DEACON,
Inspector of Plumbing.

NEW BEDFORD EXTRACTOR COMPANY'S REPORT.

NEW BEDFORD, Jan. 1, 1917.

To the Board of Health, New Bedford, Mass.:

DR. J. UBALDE PAQUIN, CHAIRMAN.

GENTLEMEN:—We submit herewith our report for the year ending December 31st, 1916.

Total tons garbage treated	10,941
Horses (270), tons	139.5
Cows (3), pounds	2,410
Elk (2), pounds	775

The above figures do not include any small animals delivered with the garbage.

Respectfully,

C. M. SCHINDLER,
Supt.

CONTENTS

	PAGE
Agent's Report	10–27
Anti-Alcohol Work	5
Board's Report	3–9
Cold Storage	34
Comparative Table—Scarlet Fever and Diphtheria	17
Comparative Table of Leading Causes of Deaths	21
Contagious Diseases (Financial)	16, 17, 26
Contagious Diseases and Deaths by Months	18
Contagious Diseases and Deaths since 1906	19
Death Rate	3
Death Record (17 years)	20
Deaths by Ages	32
Deaths by Age Periods for 1916	20
Educational Work	4, 5
Employees in Department	2
Expenditures (Monthly)	8, 9
Fumigation	5
Garbage Disposal	6, 7
Housing	5, 12, 13
Hotels	34
Ice Cream Plants	34
Infantile Paralysis	17
Infant Mortality	3, 4, 22
Infant Mortality in Detail	24, 25
Infant Mortality Rate since 1889	22, 23
Keeping of Swine	7
Milk Supervision	10, 11, 33, 34
Monthly Record	27
Mortuary	28–31
Nurses' Visits	10, 39
Occupational Record of Tuberculosis Patients	15
Parentage of Deaths under one	23
Plumbing	8
Provisions	33, 34
Report of Bacteriologist	38
Report of Medical Inspector	36
Report of Oculists	35
Report of Plumbing Inspectors	40
Report of School Examiner	37
Tuberculosis	13, 14, 15
Tuberculosis Nativity	15

City of New Bedford.

In Board of Aldermen,
Jan. 30, 1917.

Received, placed on file, ordered printed in City Documents, and sent down for concurrence.

W. H. B. REMINGTON, *City Clerk.*

In Common Council,

Jan. 30, 1917.

Concurred.

CHARLES P. SAWYER, *Clerk.*

ANNUAL REPORT

OF THE

INSPECTOR OF ANIMALS

OF THE

CITY OF NEW BEDFORD, MASS.

FOR THE YEAR 1916

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

ANNUAL REPORT

January 1st, 1917.

To the Mayor and the Board of Aldermen :

Gentlemen : —

My report as Inspector of Animals for the City of New Bedford for the year 1916 is herewith submitted. An examination of all neat cattle, sheep and swine, as ordered by the Commissioner of Animal Industry, was made in January and February and a detailed report covering their health and stabling conditions rendered to him on completion of the work. There was at that time 613 neat cattle, 152 pigs, 9 sheep and several goats, all of which, with very few exceptions, were in good health and comfortably housed. During the year there have been two cases of tuberculosis in cows and three cases of glanders in horses disposed of ; the carcasses of same rendered and the premises where the animals were found were thoroughly cleansed and disinfected, as were also the shops where the horses were shod. It is part of the duties of the Inspector to examine all horses and cattle that are shipped into this city from out of the state on permit from the Commissioner of Animal Industry and report to him immediately their condition. This has been carefully attended to during the year. The decrease in the number of cases of glanders in horses since the closing of the public drinking fountains is very noticeable. Where there were from

20 to 25 cases a year before closing we had last year 8 cases, and this year 3 cases, the lowest number that has been reported in any one year that there is any record of. It would seem as though the shutting off of the fountains has had some influence in bringing about this very desirable condition. No other contagious disease has been found or reported among the domestic animals during the year.

Respectfully submitted,

H. B. HAMILTON,
Inspector of Animals.

City of New Bedford.

In Board of Aldermen,

January 25, 1917.

Received, filed, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

January 25, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

ANNUAL REPORT

OF THE

INSPECTOR OF WIRES

OF THE

CITY OF NEW BEDFORD

For the Year 1916.

NEW BEDFORD
THE J. E. BUDLONG PRESS, PRINTERS
1 9 1 7

Annual Report

January 19, 1917.

To His Honor The Mayor and the City Council of the City of New Bedford:---

Sirs:---

I respectfully submit my annual report of this department from December 6, 1915, to December 4, 1916.

INSPECTION OF INSIDE WIRING.

During the past year have inspected 2,070 installations, making 6,209 inspections.

Have notified 2,570 contractors and property owners of defects in the electrical installations.

Have issued to the N. B. Gas & Edison Light Co., 1,799 permits to connect electric service.

During this same time, I have examined and reported on the plans and specifications for the Fifth Street School and New Police Station.

Have drawn plans and specifications for electric lighting in the following polling places:---

Precinct 2	Precinct 16
Precinct 6	Precinct 17
Precinct 8	Precinct 18
Precinct 10	Precinct 20
Precinct 12	Precinct 23
Precinct 14	Precinct 24

Have superintended and inspected electric work at the following City Buildings.:---

Public Bath Houses. New Central Engine House.

This past year Chapter 296 of General Acts of 1915, relative to the licensing of master and Journeyman Electricians, has been in effect, and has somewhat improved conditions in regard to electrical installations, but still there is considerable

to be desired, and am in hopes that the present Legislature will amend the law in certain respects that will eliminate some of its objectionable features, from a practical point of view.

REMOVAL OF OVERHEAD WIRES & CONSTRUCTION.

On January 6, 1916, after a meeting of the Inspector of Wires, City Engineer and Superintendent of Streets, the following letter was sent to the Mayor and Board of Aldermen:

To His Honor, the Mayor and Board of Aldermen,
Gentlemen:---

In compliance with Section 3 and Chapter 335, Acts of 1914 as follows:---

The Inspector of Wires, City Engineer, and Superintendent of Streets shall, annually, in the month of January, present to the Mayor and Board of Aldermen, a list of public ways and places, specified in Section 2, or parts thereof, from which, in their judgment, the overhead wires and construction should be removed in accordance with the provisions of this act.

We herewith present to you the following list:---

Spring Street	Sixth to County	688
School Street	Sixth to County	585
Walnut Street	Purchase to County	971
Madison Street	Purchase to County	967
Pleasant Street	Madison to School	622
Sixth Street	Madison to School	622
Seventh Street	Madison to Union	1137
Eighth Street	Spring to William	620
	Total	6212

After a hearing held January 26, 1916, the following order was sent to the several wire-using companies:--

City of New Bedford,
In Board of Aldermen
Jan. 26, 1916.

Whereas, under the provisions of Chapter 335 of the Acts of 1914, due notice has been given, and a hearing has been held by this board, it is hereby

Ordered, That all telegraph, telephone, electric light, electric motor or power, and all other wires, cable and conductors, in and above hereinafter designated streets, and all poles and structures in said streets used for the support of the same, excepting such structures, poles, cables, wires and conductors as are excepted by said Chapter 335, Acts of 1914, shall be removed, within the time named in said Chpater, or that said wires, cables or conductors shall be placed, maintained and operated in underground conduits.

Locations for said underground conduits shall be petitioned for in accordance with the provisions of Chapter 335, Acts of 1914, and all acts in addition thereto or amendment thereof.

The streets or parts of streets designated and affected by this order as follows, to wit:---

Spring Street,	Sixth to County,	688 feet
School Street,	Sixth to County,	585 feet
Walnut Street,	Purchase to County,	971 feet
Madison Street,	Purchase to County,	967 feet
Pleasant Street,	Madison to School.	622 feet
Sixth Street,	Madison to School,	622 feet
Seventh Street,	Madison to Union,	1137 feet
Eighth Street,	Spring to William,	620 feet
		6212 feet

And the City Clerk is hereby directed to serve notice of the adoption of this order upon the owners of all wires, cables or conductors, in and above said streets, and all poles and structures in said streets for the support of the same, by mailing to each of said owners, by U. S. registered letter mail, an attested copy of this order.

And the City Clerk is hereby further directed to cause this order to be recorded in the book of Location Order Records, as provided in Chapter 509, Acts of 1911, and to furnish a copy of this order to the Inspector of Wires, the City Engineer and the Superintendent of streets of the City of New Bedford.

Adopted and ordered recorded in Book of Location Order Records.

IN BOARD OF ALDERMEN,

Jan, 26, 1916.

Presented to and approved by the Mayor, Jan, 27, 1916.

A true copy, attest: W. H. B. REMINGTON,
City Clerk.

REMOVAL OF UNNECESSARY POLES AND WIRES.

After several attempts to remedy a condition which I found on entering this Department, in which Water Street, from South Street to Cove Street, and Acushnet Avenue, from Coffin Avenue to Nash Road, had for several years, after underground conduit and wire had been installed, been utilized for overhead construction, I prepared and presented to the Board of Aldermen the following communication and order.

New Bedford, Mass.,
June 21, 1916.

Honorable Board of Aldermen,
City of New Bedford,

Gentlemen:---

I wish to refer to you a matter which in my opinion requires immediate action. On June 25, 1913 permit was granted to lay conduits in Acushnet Avenue between Coffin Avenue and Nash Road, and on May 27, 1914, a permit was granted to lay conduits in South Water Street between South Street and Cove Street. The public service corporations are now provided with sufficient conduits in the sections named to take care of all necessary wires, but it appers that poles have not been removed from the streets in question. These poles should be removed at once and I have therefore prepared an order which accompanies this communication carrying out that purpose.

Respectfully yours,
THOMAS A. LOFTUS.
Inspector of Wires.

City of New Bedford,
In Board of Aldermen,
June 21, 1916.

Ordered, That the Inspector of Wires be and hereby is instructed and directed to order the Southern Massachusetts Telegraph and Telephone Company, and the N. B. Gas & Edison Light Company to remove all unnecessary poles in South Water Street between South Street and Cove Street, and in Acushnet Avenue between Coffin Avenue and Nash Road said Inspector of Wires shall allow a reasonable time for said removals, and his judgment of necessity and reasonable time shall be final.

In BOARD OF ALDERMEN, Adopted.
June 21, 1916.
A true copy, attest:
JAMES DIGNAM.
Asst. City Clerk.

This order was passed on June 21, 1916, and on June 28th I met with representatives of the different Wire Companies and decided that Water Street be cleaned of poles and wires not later than August 31, which was done, and on account of scarcity of labor, Acushnet Avenue was allowed to lay over until spring of this year.

OUTSIDE WORK.

During the past year have investigated and reported to the Mayor and Board of Aldermen on 307 petitions involving 1124 poles and 32204 feet of conduit, divided as follows:

New Locations	388 poles
Joint Locations,	322 poles
Attachment of wires of one Company to poles of another	294 poles

Of the 322 joint locations there were 178 poles existing.

There were 214 poles removed to make way for part of the 388 locations granted.

There were 42 poles abandoned and removed from the the City Streets during the year.

Of the total number of location petitions granted, 244 were for locations on roads out of the City proper.

The underground conduits laid was as follows:---

	Conduits	Manholes
Automatic Tel. Co.	7402 ft.	37
N. B. Gas & Ed. Lt. Co.	18500 ft.	110
So. Mass. Tel. Co.	6302 ft.	24

POLICE SIGNAL SYSTEM.

There has been two signal boxes installed in new locations during the present year, location of one box has been changed and all boxes newly painted.

New overhead line has been run to replace 4600 feet of line in poor condition, and 5200 feet of line has been run in new locations, 2100 feet of line has been permanently removed, thus removing poles and wires from the streets.

One section of 500 feet underground cable has been replaced with new cable and 3650 feet of underground cable has been put in in new locations.

Three new box pedestals for cable construction have been erected.

A section of 525 feet of conduit and cable has been laid in the area of streets where overhead lines have been ordered removed.

Condition of Central Station apparatus is at present working fairly, condition of outside construction and boxes fair.

We have at present, 60 signal box stations in the system.

RECOMMENDATION.

During the short length of time that I have been head of this department, I find that it is practically impossible for the department, as at present constituted, to perform all the work demanded of it by Section 131 of the Revised Ordinances. Said Section as follows:---

> Section 131. Every corporation or person proposing to place wires designed to carry a current of electricity within a building shall give notice thereof to the Inspector of Wires of said city before commencing the work; and shall not turn the current on to wires that are to be used for electric lighting, heating or power, until permissiom to do so has been given by said inspector.

This department has never had sufficient help to fully cover the above section, in that the two assistants inspectors cover all buildings, with the exception of the mills, I have, whenever the chance afforded, visited some of the new mills in course of construction, but cannot give the time I should like to on this class of work.

Our mills at the present time employ upwards of 35,000 people, so you can readily see how important it should be for prevention of LIFE and PROPERTY that periodical inspections should be made of these properties, therefore, I earnestly recommend that this department be allowed one additional inspector, who may be utilized for this purpose.

POLICE SIGNAL SYSTEM.

The present Central Police Station is equipped with a Gamewell closed circuit signal system which was installed upwards of 25 years ago and is to-day working, but is in a very badly run down condition, requiring a constant renewal of parts which have become worn, and in many csaes, not now

manufactured, and when required to replace, means that these parts must be made specially, entailing at times a discontinuance of the service in some of its circuits.

The interior equipment is now, in a large degree, obsolete. and to repair it and bring it up to date is for all practical purposes impossible, and should be discarded.

I would recommend that, inasmuch as there is a new Central Station in the course of erection, that ways and means be provided to equip it with open circuit system, and that all signal boxes be overhauled and equipped with the apparatus necessary to work on this system.

THOMAS A. LOFTUS,

Inspector of Wires.

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

January 25, 1917.

Received, Filed and Ordered Printed in the City Documents. Sent down for Concurrence.

W. H. B. REMINGTON,
City Clerk.

IN COMMON COUNCIL,

January 25, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

The Sixty-Fifth Annual Report

OF THE

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD, MASS.

TO THE CITY COUNCIL

FOR THE YEAR 1916.

NEW BEDFORD
THE A. E COFFIN PRESS
1917

Officers of the Free Public Library

FOR THE YEAR 1917.

Trustees.

Ex-Officio. Terms expire January, 1918

CHARLES S. ASHLEY,.....Mayor of the City.
CLIFTON W. BARTLETT..... President of Board of Aldermen.
HARRISON T. BORDEN,..... President of Common Council.

Elected by the City Council.

JIREH SWIFT, JR.,	Term expires April, 1917
ABBOTT P. SMITH,	Term expires April, 1917
FRANK A. MILLIKEN,	Term expires April, 1918
SAMUEL F. WINSPER,	Term expires April, 1918
FRANCIS M. KENNEDY,	Term expires April, 1919
CHARLES M. HOLMES,	Term expires April, 1919

President of the Board.
THE MAYOR.

Clerk.
GEORGE H. TRIPP.

Committees.

On Library..MESSRS. KENNEDY, MILLIKEN, AND HOLMES.
On Finance....MESSRS. SWIFT, KENNEDY, AND WINSPER.
On the Building. MESSRS. SMITH, MILLIKEN, AND HOLMES.
On Branches,.....MESSRS. WINSPER AND SWIFT.

Librarian.
GEORGE H. TRIPP.

Assistant Librarian.
CLEMENT L. YAEGER.

Cataloguer.
ANNA M. DeWOLF.

Librarian's Secretary and Stenographer.
MINERVA F. MAXFIELD.

Heads of Departments.

MARY A CHASE,.....Reference Librarian.
JANE E. GARDNER,..... Art Librarian.
JANE E. THUMAN,.....Children's Librarian.

Desk Attendants and Assistants.

EDITH H. COBB,.....Ingraham Hall.
GRACE D. SHERMAN,.....Delivery Desk.
EDITH H. BRODHEAD,.....Delivery Desk.
MARION BRIGGS,.....Accession and Delivery Desk.
L. GERTRUDE WILCOX,.....Accession and Delivery Desk.
ELLEN F. DOLLARD,...Assistant Art Room and Children's Room.
ETHEL WILCOX,.....Assistant Children's Room.
ALICE H. TRIPP,.....Genealogical Room.
LOUISA P. TOURTELLOT..... { Cataloguer's Assistant and Genealogical Room.
ARTHUR J. ROGERS,.....Periodicals.

Branches.

North.....ELSIE COLLINS, AMANDA DION.
South.....JOHN WILKINSON.
West.....MARY ELIZABETH BROWN.

Pages.

JOHN HULTON, OVILA BLANCHET,
WILLIAM HARRINGTON, HAROLD McGOFF.

Elevator

JOHN GORDON, GARRISON L. OLIVER.

Janitors.

DENNIS J. MAHONEY, JOHN BURN,
GEORGE SUTHERLAND.

TRUSTEES' REPORT.

To the Honorable, the City Council of the City of New Bedford, Mass.

The trustees present their sixty-fifth annual report to the City Council in the Report of the Librarian, which has been adopted by the Board.

Respectfully submitted,

BOARD OF TRUSTEES,

GEORGE H. TRIPP,
Clerk of the Board.

LIBRARIAN'S REPORT.

To the Trustees of the Free Public Library :

RESOURCES AND ADDITIONS

The Library contains at the present time about 160,000 volumes. Every year there have to be large deductions on account of books that are worn out and destroyed, the most of which are replaced, but others having outlived their usefulness are stricken from the list.

A count was made of the pictures totalling 40,000, the most of which are available for circulation.

Among the additions by gift during the year is a portrait of Hon. H. H. Crapo, the first City Treasurer of New Bedford and a man intimately connected with the early history of the city. This portrait was presented by Hon. W. W. Crapo, his son.

By the will of Charles S. Paisler, two French bronzes entitled "Secours" and "Destresse" were bequeathed to the Library.

A painting, "The Dancing Lesson," executed by Margaret S. Peirce was given by Mr. Thomas S. Hathaway and Miss Ellen R. Hathaway.

One painting by the late C. H. Gifford has been bought by the Trustees, a view of New Bedford from the Fairhaven shore. This was made about 1871 and is extremely interesting for its historical value, showing as it does the shore line of that time.

The collections of books in foreign languages are being added to constantly, and evidently are a source of satisfaction to our foreign-speaking citizens. It has been very gratifying to hear our collection of Polish books commended very highly by a Polish citizen of culture.

ACTIVITIES.

The circulation of books is practically the same as last year, the war and the general improvement of business precluding any notable increase in the home circulation of books. The per capita circulation, basing the population of New Bedford at 110,000, is about 4. The ordinary distribution of books through the schools was delayed for a month by the prevalence of infantile paralysis during the summer, so that the books that would usually have been distributed during September were kept back until the next month. 48,000 pictures were circulated from the Art Room and from the Juvenile Room.

The library has been represented by the Librarian and various assistants at several of the professional conventions held during the year, four having attended the National Convention at Asbury Park.

Staff meetings have been held with some regularity during the year when library problems have been discussed and suggestions made for improved service.

A training class for substitutes has been carried on during the last two months of the year, and the six young ladies who comprise the class are giving evidence of thoughtful attention. It is hoped that the results will be commensurate with our expectations.

Steps have been taken to secure advice from representatives of different nationalities concerning the addition to the library of books in other tongues, with the idea of making the service more efficient and helpful. For several years we have been favored with expert advice in connection with our additions of Yiddish books, and it is hoped to get as efficient service in connection with the French and Portuguese books which are being added.

A revision was made of the French catalogue and a very satisfactory publication of the French books in the library was printed during the summer.

Various art exhibits have been held, most of them through the agency of the American Federation of Arts.

During December a notable exhibit of painting and bronzes the work of the Guild of Boston artists, has been shown, and has attracted wide attention.

A special exhibition of some of the painting of Clifford W. Ashley was held during the late summer.

During the Marblehead meeting of the Massachusetts Library Club, the Librarian spoke upon the art work of Public libraries in the state, and the matter was very thoroughly discussed. It developed that the New Bedford Library was certainly doing as much as any library in the State to foster the appreciation of good pictures by purchase and loans.

The exhibition of the better books of the year, prepared by a committee of American publishers, was displayed during the early summer.

The library lectures, as usual, were given in the hall of the High School and were uniformly well attended by appreciative audiences.

The Lecture Room has been used freely by societies and clubs having an artistic or literary purpose as will be shown in Appendix E. The privileges of the room have been very generally appreciated.

In addition to the many collections of books that have been sent to 160 schools and to numerous engine houses and Sunday schools, many books have been deposited with the Industrial School.

After consideration for several years, finally a bookplate was agreed upon by the Trustees and adopted. It has been generally approved and praised by librarians and art connoisseurs.

About 100 books were sent from the library to the soldiers on the Mexican border through the agency of the American Red Cross Society. These were duplicates which were not needed on our shelves.

The usual exhibition of books suitable for Christmas presents has been going on in the Juvenile Room during the Holidays. These yearly displays of suitable gift books

are proving of interest and value to parents in selecting books for their children.

The library has borrowed freely from the Boston Public Library which has been very generous in lending from its priceless collection to libraries in need. To repay this obligation, indirectly, we have been able to send a great many books to neighboring communities, especially to the various libraries on Martha's Vineyard, Nantucket, and the Cape.

LIBRARY NEEDS.

The inside telephone put into the Library six years ago has been constantly in need of repairs, and has never given satisfactory and efficient service. I very strongly recommend that arrangements be made with the Southern Massachusetts Telephone Company to install its system of telephones without charge, and make all repairs as needed, exacting merely a monthly rental.

There is need for repairs on the inside paint in various parts of the building, and I would like for the paint in the Lecture Room to be entirely renewed.

Shelving is needed for music. With a few extra bookcases the music department can be placed where it belongs, in the department of fine arts.

Many of the larger libraries over the country are entirely removing the restrictions as to the number of books which may be taken out on one card at one time. I would advocate entirely removing the restrictions on the circulation of all books, including fiction, so that a person may have out as many books as he may need at one time. Of course this would have to be modified so that current fiction in popular demand should not be monopolized in the hands of a few, but fiction published more than a year back could be safely included in the list of books to be taken without restriction.

If the funds at the service of the library are sufficient, I should strongly favor having an extra reference

librarian to be stationed at the High School, to serve as a library assistant under library regulations, yet with her desk in the High School building. In this way even greater service could be rendered to the students and teachers at the High School in bringing the relations of the two departments closer together. It would be understood that the work should be entirely under the management of the Library, but designed for the benefit of the thousand or more students at the High School building.

GENERAL NOTES.

Miss Cleveland, who has rendered efficient work in various departments of the library for nearly ten years, left in September to accept a position in the service of the New York Public Library.

In the Juvenile Room a change was made in the system of dealing with overdue books. Fines were abolished and instead a restriction of privileges in the use of the library was established, and from the reports of the librarian in charge of that room it seems to be working well.

Every library suffers more or less from the willful and thoughtless mutilation of books, magazines and newspapers, especially is this noticeable with periodical literature. The average reader does not realize the enormity of the offense and what trouble and expense and discomfort it causes to many by clipping from the paper an item, or an article, which may be of passing interest. The magazine or paper thus mutilated of course is absolutely worthless for library purposes, necessitating the purchase of a new copy, and if the paper is a few months old it is sometimes practically impossible to repair the loss. In order to set the matter fairly before the public and prevent, if possible, such misuse of library privileges, a rule has been adopted by which those who use the newspaper files must make written application, giving the date that is wanted,

and signing for the paper. Bound volumes of newspapers are not allowed to leave the building, and the attendant in whose room the book is used is held responsible for its return. Before it is put back on the shelves it is examined to see that no damage has been done by the borrower. Also, notices calling attention to the law warning against such mutilation are pasted in a conspicuous place on the covers which hold the periodicals.

A pleasant notice of the library was given in Hildegarde Hawthorne's book on the "Seaport Towns of New England."

The library has been visited during the year by various librarians from different sections of the country, and it is a satisfaction to note that the building and its collection of books is regarded very highly by these visitors.

Arrangement was made during the latter part of the year so that the elevator is again restored to full time on week days.

As reported for many years, the Librarian can again commend heartily the efficient and helpful work of his associates in the library. Their work has been uniformly satisfactory.

Respectfully submitted,

GEORGE H. TRIPP, Librarian.

Report of the Juvenile Room.

In going over the activities of the Juvenile Room for the past year, it seems to me that the special need is for more intensive work with children at the branch reading rooms. It would be extremely desirable, in fact, it is a necessity if the work of this department is to improve, to have at all the branches a special assistant who understands children and who has a knowledge of children's literature. The increased use of the North Branch demonstrates the success of special provision for administering to the needs of children.

One needs only to visit the schools at the extreme ends of the city and see the hundreds of children there; then compare the facilities of the reading rooms which supply these sections with books, and the situation is obvious. The central library is too far removed to be of service to children living in these parts.

The aim of children's work in a library is to instill into young people a love of books by providing them with the best of literature. A natural outgrowth is a body of adult patrons of the library. It takes only a few years for children to become adults and we should be reaching a larger number of children if we wish to strengthen our patronage. There are 13,355 children in the elementary schools of the city, and there are 5395 children registered as card holders in the library.

It is true that every child in our public schools comes under the influence of several hundred good books during his school course, but these books are only a very small part of the treasures of the library. Then, too, it is an excellent thing to establish early in the life of a child the reading habit. The ideal way would be to allow him to "tumble

up'' in a well selected home library but for the mass of children this is impossible. The public library furnishes the substitute for the ideal home library. Hence, the collections in the school rooms should serve as an introduction to the larger collections of the public library, and should aim to establish the library habit.

Then, too, children are the medium between the library and the home, especially among the residents of foreign birth. If we are to reach these people with the idea of helping them to become better citizens we should make a strenuous effort to extend the resources of the library to the children and work through them to the parents.

Twenty classes from the eighth grades in the public schools have visited the library during the year for instruction in the use of the building. The teachers express their appreciation of this instruction as a means of introducing to children an institution which will serve them throughout their lives.

Respectfully submitted,

JANE ELLIS THUMAN,
Children's Librarian.

APPENDIX A.

ADDITIONS BY CLASSES IN YEAR 1916.

NEW TITLES

General Works,	25	Literature,	166
Ethics and Philosophy,	31	Description and Travel,	95
Religion,	45	Individual Biography,	84
Sociology,	188	Collective Biography and Genealogy,	32
FolkLore,	9	History,	120
Manners and Customs,	4	Fiction,	303
Education,	69	French Fiction and Literature,	97
Language,	16	German Fiction,	28
Science,	53	Hebrew Fiction and Literature,	25
Useful Arts,	181	Greek Literature (modern)	8
Medicine, Physiology, and Hygiene,	33	Italian Fiction and Literature,	10
Fine Arts,	119	Portuguese Fiction and Liter.,	28
Music ,	54	Books for Children,	175
Amusements and Sports,	27	Books for the Blind,	2
			2027

APPENDIX B.

CIRCULATION.

Main Collection, Adult.	No. of Books.	Percent of Whole
Classification.		
Miscellaneous, and periodicals,	11,388	6.32
Philosophy,	1,460	.81
Religion,	1,197	.66
Sociology,	3,052	1.69
Language,	822	.46
Science,	2,059	1.14
Useful Arts,	4,973	2.76
Fine Arts,	5,036	2.80
English literature,	4,853	2.69
Foreign literature,	1,216	.68
Biography,	2,653	1.47
History,	4,113	2.28
Travel and description,	2,990	1.34
English fiction,	129,769	72.03
Foreign Fiction,	4,554	2.53
	180,135	

Juvenile Room,			
Classification.			
Fairy Tales,	8,716		16.04
Biography,	924		1.70
History,	2,214		4.07
Travel and description,	1,258		2.31
Fiction,	28,381		52.22
Miscellaneous, including Bible Stories, Literature, Useful Arts,	12,853		23.65
		54,346	
Branches,		69,151	
Schools,		103,024	
Miscellaneous,		1,174	
Total circulation of books,		407,830	
Pictures loaned:			
Art photographs,	218		
Prints,	72		
Prints (color)	38,345		
Architecture,	150		
Sculpture,	105		
Stereographs	58,104		
Miscellaneous,	8,084		
			105,078

APPENDIX C.

GENERAL STATISTICS FOR 1916

Books Added.

Volumes purchased, Main Collection,	3,203	
Volumes purchased, Juvenile Room,	1,248	
Volumes purchased, School Collection,	1,858	
Volumes added by gift,	590	
		6,899

Pamphlets Added.

Pamphlets purchased,	179	
Pamphlets added by gift	3,417	
		3,596

Other Additions.

Prints, and process pictures, purchased,	3126
Photographs, [including 42 by gift],	120
Postcards [including 17 by gift],	1842
Atlas folios, maps, charts, [including gifts]	143
Miscellaneous [gifts]	13
Portfolios, photographs	14

Volumes worn out and withdrawn*			
Main Collection		566	
Juvenile Room,		888	
School Collection,		2151	3605
*61 on account of being exposed to contagious diseases.			
Volumes replaced:			
Main Collection,		212	
Juvenile Room,		718	
School Collection,		1856	2786
Net addition to the Library in volumes,			3294
Number of volumes in Library, January 1, 1916			154,511
Number of volumes In Library, January 1, 1917			157,805
Volumes bound, including periodicals and books rebound:			
Main Collection		2738	
Juvenile Room,		1067	
School Collection,		1399	5204
Periodicals in Reading Room,			362
Newspapers in Reading Room,			48
New cards issued:			
Adult, Central Library	3,237*		
Through Branches	1,651	4,888	
Cancelled,		152	4,736
Juvenile, Central Library	1,129		
Through Branches,	1,068	2,197	
Cancelled,		12	2,185
			6,921
*Includes 223 Juvenile Transfers.			
Total Registered Borrowers, Adult,			15,307
Juvenile			6,582
Books drawn for home use, Central Library, Main Collection, Including, [Main Desk 76,294*, Ingraham Hall 90,089, Reference Room 9,504, Art Room 3,771†, Genealogical Room 397, Teachers' Room, 80]		180,135	
* Including 422 through Branches. † Including 43 books for the Blind.			
Books circulated from Juvenile Room,		54,346	
Books circulated from School Collection,		103,024	
Books circulated directly from Branch Reading Rooms,		69,151	
Inter-Library loans		237	
Other Agencies, [Including Engine Houses, Sunday Schools, Clubs, etc.]		937	
Total circulation of books			407,830

Pictures circulated from Art Room :		
Art Photographs 218, Prints 72, Colored Pictures 38,345, Architecture 150, Sculpture 105, Stereographs 1251, Miscellaneous 8084,	48,225	
Pictures circulated from Juvenile Room:		
Stereographs, in sets of 25 and 50,	56,853	
		105,076
Notices sent out for over due books:		
Main Library—Postal cards 3,872; letters, 223	4,095	
Juvenile Room–Postal cards 1,200; letters, 81	1,281	
Branches— Postal cards 1,093; letters, 87	1,180	6,556
Messenger sent 49.		
Books returned through messenger 37.		

BRANCH READING ROOMS IN DETAIL.

NORTH.

Attendance, adult, 18,922; Sundays, 1,680	20,602	
Attendance, children 42,216; Sundays, 5,780	47,996	
		68,598
Books circulated,—Adult 23402; Juvenile 18,332; Central 177		41,911
Cards issued through Central: Adult, 1,411; Juvenile, 681,		2,092
Periodicals in Reading Room,		30
Newspapers in Reading Room,		17

SOUTH.

Attendance, adult, 8,613; Sundays, 1,072	9,685	
Attendance, children, 22,132; Sundays, 3,807	25,939	
		35,624
Books circulated,—Adult 6,526, Juvenile 9,391; Central 121		16,038
Cards issued through central; Adult, 183; Juvenile, 358;		541
Periodicals in Reading Room,		30
Newspapers in Reading Room,		16

WEST.

Attendance, adult, 6,990; Sundays, 527	7,517	
Attendance, children, 6,166; Sundays, 1,864	8,030	
		15,547
Books circulated,—Adult 10,498 Juvenile 1,002; Central 61		11,561
Cards issued through Central: Adult, 57; Juvenile 29;		86
Periodicals in Reading Room,		29
Newspapers in Reading Room,		9

APPENDIX D.

FORM OF LIBRARY STATISTICS.

Compiled by the A. L. A. Committee on Library Administration.

Annual report for year ended, December 31, 1916.

Name of Library, Free Public.

Name of Librarian, George H. Tripp.

City or town, New Bedford, Mass.

Population served, 115,000. (estimated.)

Terms of use —
Free for lending
Free for reference

Total number of agencies
Consisting of — Central library, One.
Branches, Three.
Other Agencies, 32 schools, 177 rooms in schools, with average of 50 books in each room; 6 engine houses, 1 club, 4 Sunday schools, city mission, 1 camp.

Number of days open during year (Central library), 366.

Hours open each week for lending (Central library), 72.

Hours open each week for reading (Central library), 79.

Total number of staff (counting as full time, adding together those giving less than full time as fractions and reporting nearest whole number), 22.

Total valuation of library property, $551,400.

INCREASE.

	Adult	Juvenile	Total
Number of volumes at beginning of year	135,974	*18,537	154,511
Number of volumes added during year by purchase	3,203	3,106	6,309
Number of volumes added during year by gift and exchange	590		590
Number of volumes lost or withdrawn during year	566	3,039	3,605
Total number at end of year			157,805

*Including school libraries.

Number of pamphlets at beginning of year, uncounted,	over 25,000
Number of pamphlets added during year,	3,596
Number of maps and charts added during year,	4
Total number of maps at end of year (not including U. S. Geological Survey Maps)	278
Number of photographs added during year, including prints and pictures, and 1,842 post cards	5,088
Miscellaneous,	13
Portfolios, photographs,	14
Total number of prints including photographs, etc.,	44,000
Number of sheets of music added during year,	Uncounted
Total number of sheets of music at end of year,	"
Number of clippings added during year,	"
Total number of clippings at end of year,	"

USE

	Adult	Juvenile	Total
Total number of volumes lent for home use			407,830
Number of volumes of fiction lent for home use from Central library. See Appendix B & C,	174,475	47,723	222,198
Number of prints lent for home use,			105,078
Recorded use in reading rooms,		Uncounted	
Number of exhibitions held,			6
Number of lectures given,			19
Number of publications issued,			13

REGISTRATION.

	Adult	Juvenile	Total
Number of borrowers registered during year	4,888	2,197	7,085
Total number of registered borrowers 1916. (New registration in May 1915)	15,307	6,582	21,889

Registration period, 5 years.

Number of periodicals (including newspapers and transactions of societies) currently received

(Give both number of titles and copies—not pieces)

530 copies with 370 titles of magazines, and 104 copies, with 54 titles of newspapers.

Number of persons using library for reading and study. Not counted.

APPENDIX E.

Lecture and Study Rooms, 1916.

Jan. 2. Judean Literary Club. Debate.
3. New Bedford Horticultural Society.
5. Woman's Club Executive Board.
6. Lecture. Frederick Monsen, F. R. G. S. The Panama-Pacific Exposition at San Francisco.
10. Woman's Club Executive Board.
Current Events.
New Bedford Medical Society. Dr. E. W. Taylor of Harvard Medical School. Common Diseases of the Spinal Cord.
12. Equal Suffrage League. Development of Democracy.
13. Lecture. Dr. C. H. Tyndall. Wonders of Ether Waves.
14. Teachers' Meeting.
16. Y. M. H. A. L. M. Friedman. America and Zionism.
17. Current Events.
18. Preliminary Meeting for Agricultural Extension Course.
20. Lecture. H. C. Ostrander. Mohammedan Lands in the Near East.
24. Current Events.
Daughters of Revolution.
25. Preliminary Meeting for Agricultural Extension Course.
31. Current Events.
Woman's Club Executive Board.
Feb. 1. Lecture in Polish. Ob. S. Grzybowskie, Sposobnosci dea Polaków w Ameryce.
2. Woman's Club Executive Board.
Teachers' Meeting.
Central Labor Union. Miss Mabel Gillespie. Minimum Wage Law.
3. Lecture. Prof. L. B. Allyn. Health Fakirs.
7. Social Workers.
9. Woman's Club Executive Board.
College Club.
Equal Suffrage League. Modern City and Its Problems.
10. New Bedford Horticultural Society.
14. Social Workers.
New Bedford Medical Society. Dr. Farrar Cobb, Surgeon at Massachusetts General Hospital. Carcinoma of the Uterus.
Teachers' Meeting.
15. Meeting to consider establishment of Normal School.
16. Stamp Collectors.
17. Lecture. Prof. L. R. Lewis. The Symphony.
24. Woman's Branch National Security League. Mrs. Barrett Wendell. Preparedness.
27. Y. M. and Y. W. H .A.
Le Cercle Gounod.
28. Social Workers.
Mar. 2. Lecture. Agnes Repplier. The Courageous Reader.
5. Le Cercle Gounod.

6. New Bedford Horticultural Society.
7. New Bedford Woman's Club.
8. Equal Suffrage League. The State Astronomical Society.
9. Lecture. I. B. Stoughton Holborn, M. A. Art in Daily Life.
   Natural Taxation League. Henry D. Nunn. Sham Democracy and Crooked Taxation.
12. Le Cercle Gounod.
13. Preparedness Society. Special Aid Social Workers.
    Instructive Nursing Association. Annual Meeting.
14. Woman's Club Executive Board.
15. Conferencia Portugesa. Dr. J. R. da S. Leite. A Influencia Portuguesa na America.
19. Le Cercle Gounod.
20. Preparedness Society. Special Aid.
    New Bedford Forestry Association.
21. Woman's Club Executive Board.
22. Woman's Club Executive Board.
26. Le Cercle Gounod.
27. Preparedness Society.
    Teachers' Meeting.
    New Bedford Medical Society. Dr. J. W. Jackson. Intestinal Adhesions.
28. Woman's Club Executive Board.
30. Red Cross. Miss Loring.
31. Woman's Club Executive Board.

Apr. 2. Le Cercle Gounod.
3. Old Dartmouth Historical Society.
   Teachers' Meeting.
4. Animal Rescue League.
5. Equal Suffrage League. Federal Government.
   Woman's Club Executive Board.
9. Le Cercle Gounod.
10. New Bedford Medical Society.
11. Animal Rescue League.
12. Astronomical Society.
16. Le Cercle Gounod.
17. Woman's Club Executive Board.
18. Social Workers.
19. Stamp Collectors.
23. Le Cercle Gounod.
25. Teachers' Meeting.
    College Club.
26. Teachers' Meeting.
27. Woman's Club Executive Board.
30. Le Cercle Gounod.

May 1. New Bedford Horticultural Society.
3. Woman's Club Executive Board.
   Equal Suffrage League. Woman and Some Human Civic Problems.
7. Le Cercle Gounod.
8. Woman's Club Executive Board.
   Teacher's Meeting.
   New Bedford Medical Society. Dr. A. R. MacAusland. Deformity as Considered in Treatment of Fractures.

9. Animal Rescue League.
11. South Bristol Medical Society.
12-19. Industrial School Exhibit.
14. Le Cercle Gounod.
15. Teachers' Meeting.
Committee on work with blind.
17–24. Publishers' Exhibit.
17. Woman's Club Executive Board.
18. Council of Jewish Women. · Lecture.
19. Animal Rescue League.
21. Le Cercle Gounod.
22. Teachers' Meeting.
28. Le Cercle Gounod.
June 3-10. Exhibition of work from Sassaquin outdoor school.
4. Le Cercle Gounod.
5. New Bedford Horticultural Society.
7. Woman's Club Executive Board.
Teachers' Meeting.
9. New Bedford Medical Society.
11. Le Cercle Gounod.
12. Framingham Normal School Club.
14. Astronomical Society.
22. Peony Show.
Peace Society.
28. New Bedford Medical Society.
July 5. Woman's Club Executive Board.
6–7. Rose Show.
11. Animal Rescue League.
Aug. 9. Boy Scout Council. Mr. Rogerson.
Sept. 6. Le Cercle Gounod.
11. Teacher's Meeting.
New Bedford Horticultural Society.
12. College Club.
13. Le Cercle Gounod.
Teachers' Meeting.
Astronomical Society.
20. Le Cercle Gounod.
21. Dahlia Show.
27. Le Cercle Gounod.
Oct. 2. New Bedford Horticultural Society.
4. Le Cercle Gounod.
5. Woman's Club Executive Board.
Lecture. H. C. Ostrander. Burma and Java.
9. New Bedford Medical Society.
10. Red Cross Lecture.
Teachers' Meeting.
11. Astronomical Society.
Le Cercle Gounod.
12. Lecture. S. H. Adams. Facts Behind the News.
16. College Club.
Jenney Family Association.
Social Workers. H. C. Parsons. Probation.
17. Officers of Teachers' Benefit Association.
18. Le Cercle Gounod.
19. Lecture. A. K. Peck. Rome, Florence, and Venice.
24. Social Workers. I. H. Neff, M. D.
Treatment of inebriates.

25. Le Cercle Gounod.
26. E. H. Thompson. Present Conditions in Mexico.

Nov. 1. Le Cercle Gounod.
2. Lecture. Dr. A. E. Bartlett. Gardens of the World.
3. Bristol County Medical Association.
3–4. Chrysanthemum Show.
6. Current Events.
Teachers' Meeting.
8. Reading for the blind.
Le Cercle Gounod.
Astronomical Society.
9. Lecture. E. K. Coulter. Civic Awakening.
Preparedness Meeting.
Bristol County Medical Society.
Social Workers. Mrs. Eva White. What to do with Girls in Their Teens.
13. Current Events.
Old Dartmouth Historical Society.
14. Animal Rescue League.
15. Le Cercle Gounod.
16. Lecture. L. U. Wilkinson. Lloyd George, Britain's Master Mind.
Relief of Lepers.
20. Social Workers. C. W. Doten. Health Insurance.
Current Events.
21. Teachers' meeting.
22. Le Cercle Gounod.
Astronomical Society.
New Bedford Medical Society.
23. Lecture. B. R. Baumgardt. Petrograd and Moscow, the Rise of the Slav.
29. Lecture. J. C. Powys. The Brontës.
Le Cercle Gounod.

Dec. 4. Current Events.
New Bedford Horticultural Society.
6. Le Cercle Gounod.
7. Lecture. A. S. Riggs. Art of the San Francisco Exposition.
11. Current Events.
New Bedford Medical Society.
12. Animal Rescue League.
13. Le Cercle Gounod.
Astronomical Society.
Current Events.
14. Lecture. Kate Upson Clark. Lady Montagu.
15. Lecture. Peace Society. Dr. J. L. Tryon. Parliament of Man.
18. Current Events.
Teachers' Meeting.
Social Workers. Dr. George Wallace.
20. Le Cercle Gounod.
21. Master Plumbers' Association. Lecture. E. E. Stack.
Lecture. E. H. Baynes. Our Wild Neighbors.
27. Teachers' Meeting.
Le Cercle Gounod.

APPENDIX F.

CITY APPROPRIATION.

Appropriation,		$27,000.00
Transfers		33.77
		$27,033.77
Salaries,	$14,977.59	
Wages,	9,170.91	
Supplies,	884.06	
Express and freight,	154.67	
Lighting, branches	554.51	
Heating,	145.55	
Telephone,	53.15	
Labor and repairs,	441.14	
Water	221.41	
Insurance,	201.60	
Incidentals,	148.18	
Car tickets,	50.00	
Pages' Suits,	12.00	
Printing,	19.00	
		$27,033.77

DOG FUND.

Balance,		$11.47
Income,		2,698.98
		$2,710.45
Salaries	2,669.40	
Wages	30.00	
Lighting branches	10.24	
	$ 2,709.64	
Balance	.81	
		$2,710.45

SYLVIA ANN HOWLAND FUND.

Balance,		$1,922.09
Income,		2,027.08
		$3,949.17
Books,	$1,151.83	
Lectures,	1,057.00	
Printing	244.03	
Periodicals,	533.56	
Binding,	491.40	
Incidentals	31.35	
Pictures,	34.55	
Catalogue cards,	40.00	
Maps,	2.07	
	$3,585.79	
Balance,	363.38	
		$3,949.17

KEMPTON FUND.

Balance,		$1,493.14
Income,		$11,110.00
		$12,603.14
Books,	$ 5,073.92	
Binding,	2,015.94	
Periodicals,	1,226.94	
Pictures and Art Exhibitions	482.56	
Copying records	154.63	
Printing,	568.63	
Incidentals,	87.30	
Catalogue Cards	30.48	
Society dues	5.00	
Stationery	38.90	
Book-plate	150.00	
Safe deposit box	15.00	
	$9,849.30	
Balance,	2,753.84	
		$12,603.14

CHARLES W. MORGAN FUND.

Balance,		$120.69
Income,		40.00
		$160.69
Books	57.56	
Binding,	78.50	
	$136.06	
Balance,	24.63	
		$160.69

OLIVER CROCKER FUND.

Balance,		$20.40
Income,		40.00
		$60.40
Express,	3.96	
Supplies,	13.68	
Light,	1.36	
Labor and repairs,	7.98	
Car tickets,	10.00	
Incidentals,	3.12	
	40.10	
Balance,	20.30	
		$60.40

GEORGE O. CROCKER FUND.

Balance,		$1.02
Income,		400.00
		$401.02
Salaries	161.70	
Wages	239.25	
	400.95	
Balance,	.07	
		$401.02

CHARLES L. WOOD FUND.

Balance,		$265.19
Income,		80.00
		$345.19
Books	223.70	
Periodicals	40.60	
Printing	19.75	
	$284.05	
Balance,	61.14	
		$345.19

GEORGE HOWLAND, JR., FUND.

Balance,		$196.14
Income,		64.00
		$260.14
Books,	$152.89	
Balance,	107.25	
		$260.14

JAMES B. CONGDON FUND.

Balance,		$120.83
Income,		20.00
		$140.83
No expenditures	.....	
Balance,		$140.83

FINES ACCOUNT.

Balance,		$ 77.80
Receipts,		1,009.00
		$1,086.80
Paid City Treasurer,	$1,073.00	
Balance,	13.80	
		$1,086.80

TOTAL EXPENDITURES.

Salaries,	$17,808.69
Wages,	9,440.16
Books,	6,659.90
Pictures,	517.11
Supplies,	897.74
Express and freight,	158.63
Light,	566.11
Heat,	145.55
Telephone,	53.15
Labor and Repairs,	449.12
Water,	221.41
Insurance,	201.60
Lectures,	1,057.00
Cards,	70.48
Binding,	2,585.84
Society Dues,	5.00
Maps,	2.07
Periodicals,	1,801.10
Copying records,	154.63
Book-plate,,	150.00
Stationery	38.90
Car tickets,	60.00
Pages' suits	12.00
Incidentals	269.95
Printing,	851.41
Rent of safe deposit box,	15.00
Total,	$44,192.55

APPENDIX G.

ALPHABETICAL LIST OF MAGAZINES.

A. B. C. Pathfinder.
A. L. A. Booklist.
Ambition.
American Angler.
American Anthropologist.
American Architect and Building News.
American Boy.
American City.
American Cookery.
American Economic Review.
American Fancier and Stock Keeper.
American Federationist.
American Field.
American Friend.
American Hebrew.
American Historical Review.
American Journal of Archaeology.
American Journal of Nursing.
American Journal of Philology.
American Journal of Science.
American Journal of Sociology.
American Journal of Theology.
American Law Review.
American Legislative Review.
American Machinist.
American Magazine.
American Municipalities.
American Naturalist.
American Poultry Journal.
American Statistical Association. Quarterly publication.
Americas, (The).
Annals of American Academy of Political and Social Science.
Appalachia.
Architectural Record.
Arizona.
Army and Navy Journal.
Army List and Directory.
Art and Archaeology.
Arts and Decoration.
Athenaeum.
Athletic News.
Atlantic Monthly.
Auk.
Baker's Review.
Bellman.
Benziger's Magazine.
Bird Lore.
Blackwoods.
Bon Ton (Le).
Bookman.
Boston Transcript.
Boys' Life Magazine.

Boys' Magazine.
Brickbuilder.
Brown Alumni Monthly.
Building Age.
Bulletin of American Geographic Society.
Bulletin of Bibliography.
Bulletin of Friends Historical Society of Philadelphia.
Bulletin of International Labor Office.
Bulletin of the Metropolitan Museum.
Burlington Magazine.
Camera Craft.
Canadian Magazine.
Canal Record.
Cape Cod Magazine.
Cassell's Little Folks.
Catholic World.
Century.
Chamber's Journal.
Chase Chronicle.
Chatterbox.
Chicago Banker.
Child Labor Bulletin.
Choir.
Christian Register.
Christian Science Journal.
Christian Science Sentinal.
Churchman.
Church Militant.
Collier's Weekly.
Commercial and Financial Chronicle.
Concerning Municipal Ownership.
Congregationalist.
Connoisseur.
Contemporary Review.
Cornhill Magazine.
Correspondance Le (N.).
Country Gentleman.
Country Life.
Country Life in America.
Countryside Magazine.
Craftsman.
Cricket (English).
Crisis.
Crockery and Glass Journal.
Current Events.
Current History Magazine.
Current Opinion.
Dartmouth.
Daughters of the American Revolution.
Delineator.
Department Reports of the Commonwealth of Massachusetts.
Deutsche Rundschau.
Dial.
Dialect Notes.
Dog Fancier.

Dramatist.
Dunn's Review.
Edinburgh Review.
Education.
Educational Review.
Electrical World.
Elementary School Journal.
Elite Styles.
Engineering Magazine.
Engineering News.
Engineering Record.
English Historical Review.
English Review.
Equity Series.
Essex Institute Historical Collections.
Étude.
Everybody's.
Fibre and Fabric.
Field and Stream.
Fire and Water Engineering.
Fliegende Blaetter.
Flying and Aero Club of America.
Folk Lore.
Forest and Stream.
Fortnightly Review.
Forum.
Friend. (London).
Friends Quarterly Examiner.
Garden.
Garden Magazine.
Garden Profits.
Genealogical Magazine.
Genealogist (English).
Genealogy.
General Electric Review.
Gleanings in Bee Culture.
Good Government.
Good Housekeeping.
Graphic.
Gregg Writer.
Harper's Bazar.
Harper's Magazine.
Harvard Alumni Bulletin.
Harvard Graduates' Magazine.
Harvard Illustrated Magazine.
Harvard Theological Review.
Hibbert's Journal.
Hints.
Holy Cross Purple.
Home Needlework Magazine.
Home Progress.
Horseless Age.
Horticulture.
House and Garden.
House Beautiful.
Illustrated London News.

Illustrated World.
L'Illustration.
Independent.
Independent, Kansas City.
Information.
Inland Printer.
International Crop Report and Agricultural Statistics.
International Marine Engineering.
International Studio.
Iron Age.
Je sais tout.
John Martin's Book.
Johns Hopkins University Circular.
Johns Hopkins University Studies.
Journal of Accountancy.
Journal of American Folk Lore.
Journal of American History.
Journal of Education.
Journal of Franklin Institute.
Journal of New England Water Works Association.
Journal of Political Economy.
Journal of the Friends Historical Society.
Journal of the Outdoor Life.
Journal of Zoophily.
Keith's Magazine or Home Builder.
Keramic Studio.
Kindergarten Primary Magazine.
Labor Digest.
Ladies' Home Journal.
Lancet (London).
Leslie's Weekly.
Librarian.
Library Journal.
Library World. (English).
Life.
Literary Digest.
Living Age.
Lutheran.
McClure's.
Machinery.
Manchester Unity I. O. O. F. Bulletin.
Manual Training Magazine.
Massachusetts Magazine.
Matilda Ziegler Magazine for the Blind.
Mayflower Descendant.
Medford Historical Register.
Memoirs of the American Anthropological Association.
Mentor.
Metal Industry.
Methodist Review.
Metropolitan Magazine.
Mill Supplies.
Missionary Review of the World.
Modern Language Notes.
Modern Priscilla.
Motion Picture Magazine.

Motion Picture Story Magazine.
Motor.
Motor Boat.
Motor Boating.
Mount Tom.
Municipal Journal and Engineering.
Munsey's.
Musical Courier.
Musical Messenger.
Musician.
Nation.
National Conference on City Planning.
National Geographical Magazine.
National Municipal Review.
National Review.
Nature.
Navy and Marine Corps List and Directory.
Needlecraft (Amer.).
Needlecraft (London).
New Church League Review.
New England Historical and Genealogical Register.
New England Homestead.
New England Leader.
New Republic.
New York Genealogical and Biographical Record.
Nineteenth Century and After.
North American Review.
Notes and Queries, (London) Weekly.
Onward.
Osteopathic Magazine.
Our Dumb Animals.
Our Four-Footed Friends.
Outers Book.
Outing.
Outlook.
Overland Monthly.
Owl.
Pedagogical Seminary.
Pennsylvania Magazine of History and Biography.
Philippine Craftsman.
Photo Era.
Photo Miniature.
Physical Culture.
Pictorial Review.
Playground
Plumbers' Trade Journal.
Political Science Quarterly.
Popular Astronomy.
Popular Mechanics.
Popular Science Monthly.
Posselt's Textile Journal.
Power and the Engineer.
Primary Education.
Primitive Methodist Journal.
Print Collectors' Quarterly.

Printing Art.
Proceedings of the Academy of Natural Sciences.
Proceedings of the National Academy of Sciences.
Progressive Medicine.
Providence Magazine.
Psyche.
Public.
Public Libraries.
Publisher's Circular.
Publisher's Weekly.
Punch.
Quarterly Journal of Economics.
Quarterly Review.
Queen.
Record,
Review of Reviews.
Revue des Deux Mondes.
Rudder.
Rural New Yorker.
Sacred Heart Review.
St. Nicholas.
Saturday Evening Post.
Saturday Review.
School Arts Magazine.
School Review.
School Science and Mathematics.
Science.
Scientific American and Supplement.
Scientific Monthly.
Sea Breeze.
Short Ballot Bulletin.
Something To Do.
Spectator.
Stenotypist.
Storytellers' Magazine.
Sunday School Times.
Sunset.
Survey.
System.
Temperance Cause.
Textile American.
Textile Manufacturers' Journal.
Textile Manufacturer (Manchester, Eng.)
Textile World Journal.
Theatre.
Times, London Weekly Ed.
Travel Magazine.
Tuskegee Student.
Two States.
Ueber Land und Meer.
Union Signal.
United States Official Postal Guide.
Universalist Leader.
Unpopular Review.
Vedanta Monthly.
Vogue.

Volunteers' Gazette.
Watchman-Examiner.
Wellesley College News.
Wilson's Photographic Magazine.
Woman's Home Companion.
Woman's Journal.
Wool and Cotton Reporter.
Worcester Magazine.
Worlds Work.
Yachting.
Yale Review.
Youths Companion.

POPULAR MAGAZINES.

American.
American Magazine.
Atlantic Monthly.
Bellman.
Benziger's Magazine.
Blackwood's.
Canadian Magazine.
Century.
Chambers Journal.
Collier's Weekly.
Cornhill Magazine.
Current Opinion.
Everybody's.
Graphic.
Harper's Magazine.
Illustrated London News.
Illustrated World.
L'Illustration.
Je sais tout.
Ladies Home Journal.
Leslie's Weekly.
McClure's.
Metropolitan Magazine.
Motion Picture Story Magazine.
Munsey's.
Outlook.
Overland Monthly.
Review of Reviews.
Saturday Evening Post.
Sunset.
Times, London Weekly.
Ueber Land und Meer.
Woman's Home Companion.
World's Work.

USEFUL AND DOMESTIC ARTS.

American Cookery.
American Fancier and Stock Keeper. Gift.
American Journal of Nursing.
American Machinist.
Architectural Record.
Bakers Review.
Brick Builder.
Building Age.
Chicago Banker. Gift.
Crockery and Glass Journal. Gift.
Electrical World.
Engineering Magazine.
Engineering News.
Engineering Record.
Fibre and Fabric.
Fire and Water Engineering.
Flying and Aero Club of America.
General Electric Review. Gift.
Gleanings in Bee Culture.
Good Housekeeping.
Gregg Writer. Gift.
Hints.
Home Needlework Magazine.
House and Garden.
Inland Printer.
International Marine Engineering.
Iron Age.
Journal of Accountancy.
Journal of New England Water Works Association.
Keith's Magazine on Home Building.
Lancet (London).
Machinery.
Metal Industry.
Mill Supplies. Gift.
Modern Priscilla.
Needlecraft, (Amer.)
Needlecraft, (Eng.)
Osteopathic Magazine. Gift.
Plumbers Trade Journal.
Posselt's Textile Journal.
Power and the Engineer.
Printing Art.
Progressive Medicine.
Scientific American and Supplement.
Stenotypist. Gift.
System.
Textile American.
Textile Manufacturer's Journal.
Textile Manufacturer (Manchester, England).
Textile World Journal and Director.
Wool and Cotton Reporter.

HISTORY AND GENEALOGY, INCLUDING ARCHAEOLOGY.

American Anthropologist.
American Historical Review.
American Journal of Archaeology.
American Statistical Association.
Art and Archaeology.
Canal Record. Gift.
Cape Cod Magazine.
Chase Chronicle. Gift.
Current Events.
Current History Magazine.
Daughters of American Revolution.
English Historical Review.
Essex Institute Historical Collections.
Genealogical Magazine.
Genealogist (English).
Genealogy.
Information.
Journal of American History.
Journal of the Friends Historical Society.
Massachusetts Magazine.
Mayflower Descendant.
Medford Historical Register.
Memoirs of the American Anthropologist Association.
New England Historical and Genealogical Register.
New York Genealogical and Biographical Record.
Notes and Queries. (London).
Owl. Gift.
Pennsylvania Magazine of History and Biography.
Worcester Magazine.

EDUCATION.

Education.
Educational Review.
Elementary School Journal.
Johns Hopkins University Circular. Gift.
Journal of Education.
Kindergarten Primary Magazine.
Manual Training Magazine.
Pedagogical Seminary.
Primary Education.
School Arts Magazine.
School Review.
School Science and Mathematics.
Tuskegee Student. Gift.
Wellesley College News. Gift.

LANGUAGE AND LITERATURE, ALSO BIBLIOGRAPHY.

A. L. A. Booklist.
American Journal of Philology.
Athenaeum.
Bookman.
Boston Transcript.
Bulletin of Bibliography.
Contemporary Review.
Deutsche Rundschau.
Dial.
Dialect Notes.
Edinburgh Review.
English Review.
Folk Lore.
Fortnightly Review.
Johns Hopkins University Studies.
Journal of American Folk Lore.
Librarian.
Library Journal.
Library World (English).
Living Age.
Modern Language Notes.
Mount Tom.
Nation.
Nineteenth Century and After.
North American Review.
Notes and Queries. London.
Public Libraries.
Publisher's Circular.
Publisher's Weekly.
Quarterly Review.
Revue des Deux Mondes.
Saturday Review.
Spectator.
Unpopular Review.
Yale Review.

SOCIAL AND ECONOMIC.

American City.
American Economic Review.
American Federationist.
American Journal of Sociology.
American Legislative Review.
American Municipalities.
American Statistical Association. Quarterly publication.
Annals of American Academy of Political and Social Science.
Bulletin of International Labor Office.
Child Labor Bulletin.
Concerning Municipal Ownership. Gift.
Crisis.
Department Reports of the Commonwealth of Massachusetts.
Equity Series.
Forum.

Good Government. Gift.
Journal of Political Economy.
Labor Digest. Gift.
Municipal Journal and Engineer.
National Conference on City Planning.
National Municipal Review.
National Review.
Playground.
Political Science Quarterly.
Public.
Quarterly Journal of Economics.
Short Ballot Bulletin. Gift.
Survey.
Union Signal. Gift.
Womans Journal.

SCIENCE.

American Journal of Science.
American Naturalist.
Auk.
Bird Lore.
Bulletin of American Geographic Society.
Electrical World.
Iron Age.
Journal of Franklin Institute.
Journal of Zoophily. Gift.
Nature.
Popular Astronomy.
Popular Mechanics.
Popular Science Monthly.
Proceedings of the Academy of Natural Sciences.
Proceedings of the National Academy of Sciences. Gift.
Psyche.
Science.
Scientific American.
Scientific American Supplement.
Scientific Monthly.

RELIGIOUS PUBLICATIONS.

American Friend.
American Hebrew.
American Journal of Theology.
Bulletin of Friends' Historical Society of Philadelphia.
Catholic World.
Christian Register.
Christian Science Journal. Gift.
Christian Science Sentinel. Gift.
Churchman.
Church Militant. Gift.
Congregationalist.
Friend (London).
Friends Quarterly Examiner.
Harvard Theological Review.
Hibbert's Journal.

Journal of the Friends Historical Society.
Lutheran. Gift.
Methodist Review.
Missionary Review of the World.
New Church League Review. Gift.
Primitive Methodist Journal. Gift.
Sacred Heart Review.
Sunday School Times.
Universalist Leader. Gift.
Volunteer's Gazette. Gift.
Watchman-Examiner.

FINE ARTS.

American Architect and Building News.
Art and Archaeology.
Arts and Decoration.
Bulletin of the Metropolitan Museum.
Burlington Magazine.
Camera Craft.
Choir. Gift.
Connoisseur.
Craftsman.
Dramatist.
Étude.
House Beautiful.
International Studio.
Keith's Magazine on Home Building.
Keramic Studio.
Musical Courier.
Musical Messenger. Gift.
Musician.
Philippine Craftsman.
Photo Era.
Photo Miniature.
Print Collectors Quarterly.
Theatre.
Wilson's Photographic Magazine.

AGRICULTURE AND COUNTRY LIFE.

American Fancier and Stock Keeper.
American Field. Gift.
American Poultry Journal.
Country Gentleman.
Country Life.
Country Life in America.
Country Side Magazine.
Garden. (London).
Garden Magazine.
Garden Profits.
Horticulture. Gift.
House and Garden.
International Crop Report and Agricultural Statistics. Gift.
New England Homestead.
Philippine Craftsman.
Rural New Yorker.

FASHION.

Bon Ton (Le).
Delineator.
Elite Styles.
Harper's Bazar.
Pictorial Review.
Queen.
Vogue.

HUMOROUS.

Fliegende Blaetter.
Life.
Punch.

SPORTS.

American Angler.
Athletic News.
Cricket.
Dog Fancier. Gift.
Field and Stream.
Flying and Aero Club of America.
Forest and Stream.
Horseless Age.
Motor.
Motor Boat.
Motor Boating.
Outer's Book.
Outing.
Rudder.
Yachting.

JUVENILE.

American Boy.
Boys' Life Magazine.
Boys' Magazine.
Cassell's Little Folks.
Chatterbox.
John Martin's Book.
St. Nicholas.
Something To Do.
Story-tellers' Magazine.
Youths Companion.

MISCELLANEOUS.

A. B. C. Pathfinder.
Ambition. Gift.
American Law Review.
Americas (The). Gift.
Appalachia.
Arizona. Gift.
Army and Navy Journal.
Army List and Directory.
Brown Alumni Monthly. Gift.
Canal Record. Gift.
Cape Cod Magazine.
Commercial and Financial Chronicle.
Dartmouth
Dunn's Review.
Harvard Alumni Bulletin.
Harvard Graduates' Magazine.
Harvard Illustrated Magazine.
Holy Cross Purple. Gift.
Home Progress.
Independent, Kansas City. Gift.
Journal of the Outdoor Life.
Literary Digest.
Manchester Unity I. O. O. F. Bulletin. Gift.
Matilda Ziegler Magazine for the Blind. Gift.
Mentor
Motion Picture Magazine.
National Geographical Magazine.
Navy and Marine Corps List and Directory.

New England Leader. Gift.
New Republic.
Onward. Gift.
Our Dumb Animals.
Our Fourfooted Friends.
Physical Culture.
Providence Magazine. Gift.
Record Gift.
Sea Breeze. Gift.
Temperance Cause. Gift.
Travel Magazine.
Two States. Gift.
United States Official Postal Guide.
Vedanta Monthly. Gift.
Worcester Magazine.

NEWSPAPERS.

Barnstable Patriot.
Boston, Christian Science Monitor.
Daily Advertiser.
Evening Transcript.
Daily Globe.
Herald.
Journal.
News Bureau.
Post.
Wage-Earner.
Woman's Journal.
Brockton Daily Enterprise.
Brooklyn Daily Eagle.
Charleston News and Courier.
Chicago Daily News.
Dallas News (Semi-weekly edition).
Fairhaven Star.
Fall River, Evening News.
L'Independant.
Hanover, The Dartmouth.
London Weekly Times.
Manchester (Eng.), Cotton Factory Times.
Nantucket Inquirer and Mirror.
New Bedford, A. Alvorada (Gift)
Catholic Union (Gift).
Daily and Sunday Times.
Evening and Sunday Standard
Morning Mercury.
O Independente.
O Popular (Gift).
O Portugal (Gift).
New York, Army & Navy Journal.
Call.
Journal of Commerce and Commercial Bulletin.
Herald.
Staats Zeitung.
Sun.
Times.
Tribune.
Wall Street Journal.
Weekly People.
Oakland, O Arauto (Gift).
A Uniao Portuguesa (Gift)
Philadelphia North American.
Providence Journal.
San Francisco Chronicle.
Springfield Daily Republican.
Taunton Daily Gazette.
Washington Evening Star.
Worcester Daily Telegram.
Yarmouth Register.

SUNDAY PAPERS.

Boston, Globe.
Herald.
Post.
Charleston News and Courier.
New Bedford, Standard.
Times.
New York, Herald.
Sun.
Times.
Tribune.
Providence Journal.
Washington Star.

READING ROOM, NORTH.

AmericanBoy.
American Magazine.
Cassell's Little Folks.
Collier's Weekly.
Le Correspondent.
Country Gentleman.
Delineator.
Fibre and Fabric.
Good Housekeeping.
Harper's Monthly.
Illustrated London News.
Je sais tout.
L'Illustration.
Life.
Ladies Home Journal.
Leslie's Weekly.
McClure's Magazine.
Munsey's Magazine.
National Geographic Magazine.
Our Dumb Animals.
Outlook.
Popular Mechanics.
Review of Reviews.
Revue des deux Mondes.
St. Nicholas.
Saturday Evening Post.
Scribner's Magazine.
Something To Do.
System.
Textile American.
Textile World Journal.
Woman's Home Companion.
Youth's Companion.

NEWSPAPERS.

Blackburn (Eng.) Northern Daily Telegraph.
Boston, Christian Science Monitor.
Daily and Sunday Globe.
Daily and Sunday Herald.
Daily Post.
Journal.
Fall River, Daily Globe.
Herald.
L'Independent.
Manchester (Eng.) Guardian.
Montreal, La Presse.
La Patrie.
New Bedford, Daily and Sunday Times.
Evening and Sunday Standard.
Morning Mercury.
New York, Courrier des États Unis.
Sunday Herald.
Providence Daily Journal.

READING ROOM, SOUTH.

American Boy.
American Magazine.
Cassell's Little Folks.
Christian Science Sentinel.
Collier's Weekly.
Country Gentleman.
Delineator.
Fibre and Fabric.
Good Housekeeping.
Illustrated London News.
Ladies Home Journal.
Leslie's Weekly.
Life.
McClure's Magazine.
Munsey's Magazine.
National Geographical Magazine.
Our Dumb Animals.
Outlook.
Popular Mechanics.
Puck.
Review of Reviews.
St. Nicholas.
Saturday Evening Post.
Scientific American.
Scribner's Magazine.
Something To Do.
Textile American.
Textile World Journal.
Woman's Home Companion.
Youth's Companion.

NEWSPAPERS.

Athletic News.
Blackburn (Eng.) Northern Daily Telegraph.
Boston, Christian Science Monitor.
Daily and Sunday Globe.
Daily and Sunday Herald.
Daily Post.
Journal.
Fall River, Daily Globe.
Herald.
L'Independent.
Manchester (Eng.) Guardian.
New Bedford, Correio Portuguez.
Daily and Sunday Times.
Evening and Sunday Standard.
Morning Mercury.
New York Herald.
Providence Daily Journal.

READING ROOM, WEST.

American Boy.
American Magazine.
Cassell's Little Folks.
Collier's Weekly.
Country Gentleman.
Delineator.
Good Housekeeping.
Harper's Monthly.
Ladies Home Journal.
Life.
Literary Digest.
McClure's Magazine.
Munsey's Magazine.
National Geographical Magazine.
Our Dumb Animals.
Outing.
Outlook.
Popular Mechanics.
Review of Reviews.
St. Nicholas.
Saturday Evening Post.
Scribner's Magazine.
Something To Do.
Vogue.
Woman's Home Companion.
World's Work.
Youth's Companion.

NEWSPAPERS.

Boston, Christian Science Monitor.
Daily and Sunday Globe.
Daily and Sunday Herald.
Daily Post.
New Bedford, Daily and Sunday Times.
Evening and Sunday Standard.
Morning Mercury.
New York Sunday Sun.
Providence Daily Journal.

APPENDIX H.

GIFTS.

List of Donors.—1916.

	V.	P.
Abington, Mass., Town of		1
American Association for International Conciliation, New York, N. Y.	1	10
American Association for Labor Legislation, New York, N. Y.		1
American Association for Study and Prevention of Infant Mortality, Baltimore, Md.		1
American Irish Historical Society, New York, N. Y.		1
American Jewish Committee, New York, N. Y.	1	
American Prison Congress, New York, N. Y.		1
American Social Hygiene Association, New York, N. Y.		1
American Sugar Refining Co.		1
American Telephone and Telegraph Co., New York, N. Y.		1
American Trust Co., Boston		10
Amherst College, Amherst		1
Andover Theological Seminary, Cambridge		1
Animal Rescue League, New Bedford		1
Anthony, E., and Sons, New Bedford		1
Argentine National Commission, Panama-Pacific Exposition		10
Association of Life Insurance Presidents, New York, N. Y.		3
Atlanta University, Atlanta, Ga.		1
Attleboro, Mass., City of		1
Austin, Richard, Washington, D. C.		1
Barber Asphalt Paving Co., Philadelphia		2
Barber, E. F., New York, N. Y.		1
Barney, Charles W., New Bedford	2 Periodicals	
Bates, William W.		1
Bates College, Lewiston, Me.		6
Baylor University, Waco, Texas		4
Beer, W., New Orleans, La.		1
Benton, Charles E., New Bedford		1
Benton, Josiah Henry, Boston		1
Bethlehem Steel Co., South Bethlehem, Pa.	1	1
Bible Training School, South Lancaster, Mass.	8	
Booth, C. H. H., New York, N. Y.		4
Boston Chamber of Commerce, Boston		4
Boston Port and Seamen's Aid Society, Boston		1
Boston University, Boston	1	1
Bowdoin College, Brunswick, Me.		5
Brett, William Howard, Cleveland, O.		1
Bridgewater State Normal School, Bridgewater, Mass.	2	
Brinkerhoff, E. D., Fall River, Mass.		3
Bristol, County of, Massachusetts		1
Brooklyn Daily Eagle, Brooklyn, N. Y.		1
Bross Foundation, Lake Forest, Illinois	7	
Brown University, Providence, R. I.	2	
Buffalo Historical Society, Buffalo, N. Y.		1

Bunker Hill Monument Association, Boston		1
Business Men's League, St. Louis, Mo		1
Butler Hospital, Providence, R. I		1
Butterfield, W. W., Los Angeles, Cal	1	
California State Water Problems Conference		1
Cancer Commission of Harvard University, Boston		1
Cape Cod School of Art, Provincetown, Mass		1
Caproni, P. P., and Brother, Boston	1	2
Carnegie Endowment for International Peace, Washington, D. C	1	1
Carnegie Hero Fund Commission, Pittsburg, Pa		1
Carnegie Institute of Technology, Pittsburg, Pa	1	1
Carnegie Institution of Washington, Washington, D. C		1
Carver, Mass., Town of		1
Chalif School of Dancing, New York, N. Y		1
Chatauqua Institution, Chatauqua, N. Y		2
Cheney Brothers, So. Manchester, Conn		2
Chicago, Ill., City of		2
Chicago School of Civics and Philanthropy, Chicago, Ill		2
City Plan Commission, Camden, N. J		1
Clark College, Worcester, Mass		3
Clifton Springs Sanitarium, Clifton Springs, N. Y		2
Clovernook Home for the Blind, Mt. Healthy, Ohio		1
Colby College, Waterville, Me		1
Coleman, Watson E., Washington, D. C		1
Colonial Society of Massachusetts, Boston	1	
Columbia University, New York, N. Y		18
Committee of Immigrants in America, New York, N. Y		1
Committee on Railway Mail Pay, New York, N. Y		2
Connecticut Historical Society, Hartford, Conn		1
Cornell University, Ithaca, N. Y		1
Cornish, Rev. Louis C., Hingham, Mass		1
Coville, Marion E., Syracuse, N. Y	1	
Cruz, Manuel G., New Bedford	1	
Curtis Publishing Co., Philadelphia, Pa		2
Dartmouth, Mass., Town of		1
Dartmouth College, Hanover, N. H		1
Denham, Edward, New Bedford	Periodical	
Dennison Manufacturing Co., Framingham, Mass		1
Detroit, Michigan, City of		1
Diamond Power Specialty Co., Detroit, Mich		1
Doubleday, Page and Co., Garden City, N. Y	1	6
Drama League of America, Chicago, Ill		1
Draper Co., Hopedale, Mass		7
Dubuque, Hugo A., Fall River, Mass		1
Duxbury, Mass., Town of		1
Eastern States Mission, New York, N. Y		1
Economic World, New York, N. Y		1
Eddy, Mrs. A. T., Boston	Auto. letter and Confederate money	
Edison Storage Battery Co., Orange, N. J		1
Essex, County of, Massachusetts	1	
Evans, Powell, Philadelphia, Pa		1

Everson, George, New York, N. Y. 2
Exchange Trust Co., Boston 1
Fairhaven, Mass., Town of 1
Fall River, Mass., City of 1
Farquhar, R. and J. and Co., Boston 1
Field Museum of Natural History, Chicago, Ill. 7
Fine Arts Federation of New York, New York, N. Y. 1
Firey, L. B., Norfolk, Va 1
Fish, Andrew, New Bedford . . . . . Periodical
Fisher, Benjamin F., Canton, Ohio 1
Flood, J. F., Buffalo, N. Y 2
Franklin Institute, Philadelphia, Pa 4
Freetown, Mass., Town of 1
General Education Board, New York, N. Y 1
General Society of Mechanics and Tradesmen of the City of New York 2
George Washington Memorial Association, Boston . . 1
Gidley, Job, No. Dartmouth, Mass 1
Good Housekeeping Magazine, New York, N. Y. . . . 1
Gordon, Rev. Percy . . . . . Periodical
Grand Rapids, Michigan, City of 4
Habicht, Marguerite, New Bedford . . . . . Periodical 14
Hammond, George T., Brooklyn, N. Y 1
Hampshire, County of, Massachusetts 1
Hanford, Joseph, New Bedford . . . . . Periodical
Hartford Theological Seminary, Hartford, Conn. . . . 1
Harvard University, Cambridge, Mass 1 4
Haskins, Charles N., Hanover, N. H 12
Hathaway, Horace M., New Bedford 54
Hathaway, Mrs. M. L., New Bedford . . . . . 67 Nature's Wonderland
Heath, John, Habana, Cuba 1
Hebrew Union College, Cincinnati, Ohio 1
Henry Bergh Foundation, Columbia University, New York, N. Y 1
Herschel, A. H., New Bedford . . . . . Periodical
Hispanic Society, New York, N. Y 12
Holy Cross College, Worcester, Mass 1
Hopkins, W. J., So. Dartmouth 1
Hough, Dr. Garry deN., New Bedford . . . . . Periodical
Hough, George A., New Bedford . . . . . Photographs
Hoxie, Frederick Jerome, Boston 1
Hoxie, Brig. Gen. Richard L., Washington, D. C. . . . 1
Hoyt, Francis Deming, Lakewood, N. J 1
Huber, G. F., Goshen, Ind 1
Hutchinson, H. S., New Bedford 2
Hydraulic Press Brick Co., Saint Louis, Mo 1
Indian Rights Association, Philadelphia, Pa 3
Iyenaga, Dr. Toyokichi, New York, N. Y 1
Japan Society, New York, N. Y 1 6
Jaques, Bertha E., Chicago, Ill 1
Jelliffe, Smith Ely, New York, N. Y 11
Jerome, Edward S., Los Angeles, Cal 1
Johns Hopkins University, Baltimore, Md 1
Kahn, Otto H., New York, N. Y 1
Kammerer, E. P., New Bedford 26

Kansas City Star, Kansas City, Mo. 1
Kansas State Board of Agriculture, Topeka, Kan. . . . 1 4
Kinyon's Commercial and Shorthand Schools, New Bedford 1
Kronpotich, M. D. 1
Lake Mohawk Conference on International Arbitration, Mohawk Lake, N. Y. 1
Lake Mohawk Conference on the Indian and Other Dependent People, Mohawk Lake, N. Y. 1
Lakeville, Mass., Town of 1
Latin-American News Association, New York, N. Y. . 5
Leland Stanford Junior University, Stanford University, Cal. 1 2
Levy, Florence M., New York, N. Y. 1 1
Libraries, State Library Commissions and Similar Institutions. (Gifts including Reports, Bulletins, or like publications have been received from the following institutions.)
Albany, N. Y., New York State Library.
Andover, Mass., Memorial Hall Library.
Augusta, Maine, Maine State Library.
Baltimore, Md., Enoch Pratt Free Library.
Boston, Mass., Public Library.
See also Massachusetts.
Braddock, Pa., Carnegie Free Library.
Bradford, Conn., James Blackstone Memorial Library.
Bridgewater [Mass.] Public Library.
Brockton [Mass.] Public Library.
Brookline [Mass.] Public Library.
Brooklyn [N. Y] Institute of Arts and Sciences.
Brooklyn, N. Y., Pratt Institute Free Library.
Brooklyn [N. Y.] Public Library.
Buffalo, N. Y., Public Library.
Burlington, Vt., Fletcher Free Library.
Cambridge, Mass., Harvard University Library.
Cambridge, Mass., Public Library.
Canton [Mass.] Public Library.
Cedar Rapids, Iowa, Free Public Library.
Chelsea [Mass.] Public Library.
Chicago, Ill., John Crerar Library.
Municipal Reference Library.
Chicago Public Library.
Chicopee [Mass.] Public Library.
Cleveland [Ohio] Public Library.
Clinton, Mass., Bigelow Free Public Library.
Concord [N. H.] Public Library.
Danvers, Mass., Peabody Institute.
Detroit, Mich., Public Library.
Dover [N. H.] Public Library.
East Orange [N. J.] Free Public Library.
Elizabeth [N. J.] Free Public Library.
Fairhaven, Mass., The Millicent Library.
Fitchburg [Mass.] Public Library.
Galveston, Texas, Rosenburg Library.
Gary [Ind.] Public Library.
Germantown, Pa., Friends' Free Library.
Grand Rapids [Mich.] Public Library.

Groton [Mass.] Public Library.
Habana, Cuba.
Hartford, Conn., Public Library.
Haverhill [Mass.] Public Library.
Hopedale, Mass., Bancroft Memorial Library.
Indianapolis [Ind.] Public Library.
Jacksonville [Fla.] Public Library.
Jersey City [N. J.] Free Public Library.
Lancaster, Mass., Town Library.
Lansing, Mich., Michigan State Library.
Leominster [Mass.] Public Library.
Limoges, France.
Lincoln, Neb., City Library.
Long Beach, Cal., Public Library.
Louisville [Ky.] Free Public Library.
Lowell, Mass., Lowell City Library.
Lynn [Mass.] Public Library.
Malden [Mass.] Public Library.
Manchester, N. H., City Library.
Medford [Mass.] Public Library.
Mexico.
Middleboro [Mass.] Public Library.
Milton [Mass.] Public Library.
Milwaukee [Wis.] Public Library.
Montpelier, Vt., Vermont Free Public Library Commission.
New Britain [Conn.] Institute Library.
New Haven [Conn.] Free Public Library.
New Orleans, La., Public Library.
New York, N. Y.
    Mercantile Library of New York.
    Public Library.
    Queens Borough Public Library.
Newport, R. I., Redwood Library and Athenaeum.
Newton [Mass.] Free Library.
Northampton, Mass., Forbes Library.
Ottawa, Canada, Carnegie Public Library.
Passaic [N. J.] Public Library.
Paterson [N. J.] Free Public Library.
Pawtucket, R. I., Deborah Cook Sayles Library.
Philadelphia, Pa., Apprentices' Library Co.
    Free Library of Philadelphia.
    Library Company of Philadelphia.
    Philadelphia City Institute.
Pittsburgh, Pa., Carnegie Library.
Portland [Me.] Public Library.
Poughkeepsie, N. Y., Adriance Memorial Library.
Providence, R. I., John Carter Brown Library.
    Providence Athenaeum.
    Providence Public Library.
    Rhode Island State Library.
Quincy, Mass., Thomas Crane Public Library.
Rochester, N. Y., Reynolds Library.
St. Louis, Mo., Mercantile Library Association.
    St. Louis Public Library.
Salem [Mass.] Public Library.
Salt Lake City [Utah] Public Library.

Schnectady [N. Y.] Public Library.
Scranton [Pa.] Public Library.
Seattle [Wash.] Public Library.
Shelton, Conn., Plumb Memorial Library.
Somerville [Mass.] Public Library.
Spokane [Wash.] Public Library.
Springfield, Mass., City Library Association.
Tacoma [Wash.] Public Library.
Taunton [Mass.] Public Library.
Waltham [Mass.] Public Library.
Washington, D. C., Library of Congress.
Public Library of District of Columbia.
Wilmington [Del.] Institute Free Library.
Winchester [Mass.] Public Library.
Worcester, Mass., Clark University Library.
Free Public Library.
Yarmouth [Mass.] Library.

Lord's Day League of New England, Boston	2	
Lowell Textile School, Lowell, Mass		2
McGee Memorial Committee of the Washington Academy of Science, Washington, D. C		1
McMichael, Miss Ellen	1	
Macomber, Edward L., Westport, Mass		2
Mason Machine Works, Taunton, Mass		1
Massachusetts, Commonwealth of.		
Board of Commissioners on Fisheries and Game		1
Board of Education		3
Board of Harbor and Land Commissioners	1	
Bureau of Statistics		10
Department of University Extension		1
Free Public Library Commission		2
Industrial Accident Board	2	1
Massachusetts Insurance Department	1	
Office of the Secretary	47	29
State Board of Agriculture	1	36
State Board of Charity	2	
State Board of Health	1	21
Trustees of Public Reservation		1
Massachusetts Agricultural College, Amherst		3
Massachusetts Agricultural Experiment Station, Amherst		5
Massachusetts Anti-Tuberculosis League, Boston		1
Massachusetts General Hospital, Cambridge		1
Massachusetts Institute of Technology, Boston	1	
Massachusetts Nautical School, Boston		2
Massachusetts New Church Union, Boston	1	
Mattapoisett, Mass., Town of		1
Matthews, Albert, Boston		1
Meadville Theological School, Meadville, Penn		4
Mechanics Institute, Rochester, N. Y		1
Merchants' Exchange of St. Louis, Mo	1	
Meer, Lieberman, New Bedford		1
Merrick, Josephine A., New Bedford, Photographs	3	5
Metropolitan Life Insurance Co., New York, N. Y		11
Mexican American League, New York, N. Y		2
Michigan, State of		2

Milton Historical Society		1
Millis, John, Newport, R. I		1
Milwaukee Electric Railway and Light Co., Milwaukee, Wis.		1
Minneapolis, Minn., City of		1
Moody Manual Co., New York, N. Y	2	
Moses Brown School, Providence, R. I		1
Moulton, Augustus G., New Bedford		1
Mt. Holyoke College, South Hadley, Mass		1
Museum of Fine Arts, Boston		1
Nantucket, Mass., County of		1
National Association of Corporation Schools, New York, N. Y		11
National Association of Cotton Manufacturers, Boston		1
National Automobile Chamber of Commerce, New York, N. Y	2	
National Canners' Association, Washington, D. C	1	
National Child Labor Committee, New York, N. Y		26
National City Bank of New York, New York, N. Y	1	1
National Civil Service Reform League, New York, N. Y		2
National Clean-up and Paint-up Campaign Bureau, St. Louis, Mo		1
National Committee for the Prevention of Blindness, New York, N. Y		6
National Conference on City Planning, Boston		2
National Consumers' League, New York, N. Y	4	
National Education Association of United States, New York, N. Y		2
National Foreign Trade Council, New York, N. Y		1
National Housing Association, New York, N. Y		1
National Municipal League, Philadelphia, Pa		1
National Short Ballot Organization, New York, N. Y.		1
National Wholesale Liquor Dealer Association, Cincinnati, O		4
Nelson, Dr. W. W., New Bedford		1
New Bedford, Mass., City of		
Board of Cemetery Commissioners		1
Department of Parks		2
Fire Department		1
City Clerk	30	
New Bedford Industrial School	1	2
School Department	38	1
Street Department		1
New Bedford Charity Organization Society		1
New Bedford Textile School		3
New England Anti-Vivisection Society, Boston	1	
New England Society in City of New York	1	
New York, N. Y., City of	1	1
New York City Conference of Charities and Correction, New York, N. Y	1	
New York Civil Service Reform Association, New York, N. Y		1
New York Farmers, New York, N. Y		1
New York, New Haven and Hartford Railroad Co., New York, N. Y		12

New York State Board of Charities, Albany, N. Y...		1
New York State School for the Blind, Batavia, N. Y..		1
New York Tax Reform Association, New York, N. Y..		1
New York University, New York, N. Y.....	2	
Newark, N. J., Committee of One Hundred.....		2
Newburgh, City of.....		1
Newport Historical Society, Newport, R. I.....		1
North American Civic League for Immigrants, Boston		1
North Western University, Chicago, Ill.....		1
Nye, Pemberton, New Bedford.....	1	
Oberlin College, Oberlin, Ohio.....		1
O'Hara, Hon. Barratt, Chicago, Ill.....	1	
Ohio Agricultural Experiment Station, Wooster, Ohio		2
Ohio Wesleyan University, Delaware, Ohio.....		1
Old Dartmouth Historical Society, New Bedford....		8
Pageant Drama Association, St. Louis, Mo.....		1
Panama-Pacific International Exposition, San Francisco, Cal.....	1	
Pan American Union, Washington, D. C.....	1	
Parker, Sir Gilbert, London, Eng.....	2	40
Peabody Institute, Baltimore, Md.....		1
Peabody Museum, Salem, Mass.....		1
Pennsylvania Institution for the Instruction of the Blind, Overbrook, Pa.....		3
Pennsylvania Prison Society, Philadelphia, Pa.....		1
Pennsylvania Railroad System, Philadelphia, Pa....		1
Pennsylvania Society of Colonial Governors, Philadelphia, Pa.....	1	
Perkins Institute, Watertown, Mass.....		3
Phillips Exeter Academy, Exeter, N. H.....		4
Poor's Manual Co., New York, N. Y	1	
Portland Cement Association, Chicago, Ill.....		9
Pratt Institute, Brooklyn, N. Y.....		2
Price, Mrs. Charles R., New Bedford, Photographs...	1	2
Princeton Seminary, Princeton, N. J.....		4
Princeton University, Princeton, N. J.....	1	
Prudential Insurance Company of America, Newark, N. J.....	2	

Publishers or Institutions issuing the following publications:

A Alvorada, New Bedford.
Ambition, Scranton, Pa.
Americas, The, New York, N. Y.
O Arauto, Oakland, Cal.
Arizona, Phoenix, Arizona.
Brown Alumni Monthly, Providence, R. I.
Canal Record, Balboa Heights, Canal Zone, Isthmus of Panama.
Catholic Union, New Bedford.
Chase Chronicle, The, Boston.
Chicago Banker, The, Chicago, Ill.
Choir, The, Cincinnati, O.
Christian Science Journal, Boston.
Christian Science Sentinel, Boston.
Church Militant, Boston.
Concerning Municipal Ownership, New York, N. Y.
Crockery and Glass Journal, New York, N. Y.
Deseret Evening News, Salt Lake City, Utah.

Dog Fancier, Battle Creek, Mich.
General Electric Review, Schnectady, N. Y.
Good Government, New York, N. Y.
Gregg Writer, Chicago, Ill.
Holy Cross Purple, Worcester.
Independent, Kansas City, Mo.
International Crop Report and Agricultural Statistics, Rome.
Johns Hopkins University Circular, Baltimore, Md.
Journal of Zoophily, Philadelphia, Pa.
Labor Digest, Minneapolis, Minn.
Lutheran, Lebanon and Philadelphia.
Manchester Unity, I. O. O. F. Bulletin, New Bedford.
Matilda Ziegler Magazine for the Blind, New York, N. Y.
Mill Supplies, Chicago, Ill.
Musical Messenger, Cincinnati, O.
New Church League Review, Chicago, Ill.
New England Leader, Fitchburg and Boston.
Onward, Lynn.
Owl, The, Kewanee, Wis.
Patriot Phalanx, Indianapolis, Ind.
O Popular, New Bedford.
O Portugal, New Bedford.
Primitive Methodist Journal, Fall River.
Proceedings of the National Academy of Sciences, Washington, D. C.
Proceedings, Royal Society of Canada, Ottawa, Can.
Providence Magazine, Providence, R. I.
Record, The, New York, N. Y.
Sea Breeze, Boston.
Short Ballot Bulletin, New York, N. Y.
Stenotypist, Indianapolis, Ind.
Temperance Cause, Boston.
Transactions, Royal Society of Canada, Ottawa, Canada.
Tuskegee Student, Tuskegee, Ala.
Two States, Boston.
A Uniao Portuguesa, Oakland, Cal.
Union Signal, Evanston, Ill.
Universalist Leader, Boston.
Vedanta Monthly, Boston.
Volunteers' Gazette, New York, N. Y.

Radcliffe College, Cambridge, Mass. 1
Railway Executives' Advisory Committee, Broadway, N. Y. 3
Railroads in Eastern Territory, Conference, New York, N. Y. 2
Rensselaer Polytechnic Institute, Troy, N. Y. 2
Republica Argentina. San Francisco, Cal. 3
Rhode Island Historical Society, Providence, R. I. . . . .
Rhode Island School of Design, Providence, R. I. 4
Rising, B. D., Paper Co., Housatonic, Mass. 6
Robbins, Reginald C., Hamilton, Mass. 2
Robinson, Miss Anna B., Fairhaven, Mass. 1
Rockerfeller Foundation, New York, N. Y. 1 4
Rodman, Miss Julia W., New Bedford. 8

Rogers, Miss K. R., New Canaan, Conn		1
Rosenberg, I. T		2
Rouse, W. H. D., London, Eng		1
St. Paul School, Concord, N. H		2
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.		1
San Francisco Chronicle, San Francisco, Cal	1	
Scott, Col. H. B., Burlington, Iowa, Folder		
Scranton Board of Trade, Scranton, Pa		2
Sewell Publishing Co., Ithaca, N. Y		1
Shaw, Mrs. Franklin, New Bedford, Periodical		
Sias, Mrs. Mary A., University City, St. Louis, Mo., Periodical		
Simmons College, Boston		2
Smith College, Northampton, Mass		1
Smithsonian Institution, Washington, D. C	5	24
Smoke Abatement League of Cincinnati, Ohio		1
Soil Improvement Committee of the National Fertilizer Association, Chicago, Ill		12
Soldiers' Home in Massachusetts, Chelsea		1
Southern Pine Association, New Orleans, La		21
Spokane, Washington, City of		1
Springfield, Mass., Board of Trade		1
Stanton, G. Smith, Great Neck, N. Y	1	
State Charities and Association of N. Y., New York, N. Y	1	
State Street Trust Co., Boston		1
Stearns, Frank P., Boston	1	
Stetson, Eliot D., New Bedford	10	
Stevens, George H., Newark, N. J		1
Stewart, Lucy Shelton, Evanston, Ill		1
Tabor Academy, Marion, Mass		1
Travenner, Hon. Clyde H., Washington, D. C		2
Teachers' College, Columbia University, New York, N. Y		2
Thompson, Slason, Chicago, Ill	1	
Thorup, William M., New Bedford	27	
Tripp, Alice H., New Bedford		1
Tripp, George H., Fairhaven	3	1
Tufts College, Boston		2
Union Pacific System, Omaha, Nebraska		4
Union Theological Seminary in the City of New York, New York, N. Y		1
United Engineering Society, New York, N. Y		1
United Shoe Machinery Co., Boston		4
United States Government—(Publications of the following departments, most of which were received from the superintendent of Documents) —Pamphlets and leaflets grouped:		
Agriculture, Department of	10	647
Civil Service Commission	1	34
Commerce Department	29	709
Congress of United States	63	1
Court of Claims	1	
District of Columbia	6	
Federal Reserve Board	1	19
Federal Trade Commission	2	5

Fine Arts Commission		1
Geographic Board	1	1
Government Printing Office	5	31
Interior Department, atlas folios and maps	24	286
Interstate Commerce Commission	9	28
Justice Department	3	
Labor Department	8	53
Library of Congress	1	208
Navy Department	32	27
Pan-American Union	3	2
Post Office Department	1	2
Smithsonian Institution	12	10
State Department	1	
Superintendent of Documents	1	13
Treasury Department	12	117
War Department	18	48
United States Brewers' Association, New York, N. Y.		1
Universities and Écoles Françaises, Paris		2
University of Chicago, Chicago, Ill	3	2
University of Illinois, Urbana, Ill	2	
University of Maine, Orono, Me	1	
University of Nebraska, Lincoln, Neb	1	8
University of North Dakota, Grand Forks, N. D	1	
University of Pennsylvania, Philadelphia, Penn	3	
University of Pittsburgh, Pittsburgh, Pa		1
University of Texas, Austin, Texas		12
University of the State of New York, Albany, N. Y.	4	13
University of Vermont and State Agriculture College, Burlington, Vt		1
University of Washington, Seattle, Wash	2	3
Vassar College, Poughkeepsie, N. Y		1
Veiller, Lawrence, and Everson, George, New York, N. Y		2
Venn, Theodore J., Chicago, Ill		2
Virginia-Carolina Chemical Co., Richmond, Va		50
Von Frantzius, Fritz, Chicago, Ill	2	
Walker, Dr. Mary, New Bedford, Periodical		
Warren Webster and Co., Camden, N. J		1
Washington State Commission		1
Washington University State Historical Society, Seattle, Wash		1
Waterman, William H., New Bedford, Periodical		
Wellesley College, Wellesley, Mass		1
Wesleyan University, Middletown, Conn		7
Weston, Edmund Brownell, Central Falls, R. I	1	
Westport, Mass., Town of		1
Wheaton College, Norton, Mass		2
White Pine Bureau, St. Paul, Minn		6
Wilbur, Theodore H., New Bedford		1
Williams College, Williamstown, Mass	1	4
Wilson, H. W. Co.,White Plains, N. Y		3
Wing, William A., New Bedford	1	1
Woman's Peace Party, Chicago, Ill		1
Wood, Allen F., New Bedford		1
Worcester, Mass., County of		1
World Peace Foundation, Boston		6
Yale University, New Haven, Conn	1	6

TWENTY-THIRD ANNUAL REPORT

OF THE

Department of Parks

OF THE

CITY OF NEW BEDFORD

MASSACHUSETTS

For the Year Ending December 31, 1916.

NEW BEDFORD
THE A. E. COFFIN PRESS, PRINTERS
1917

BOARD OF PARK COMMISSIONERS.

1915—1916.

WILLIAM P. COVELL,
WILLIAM F. CASWELL,
GEORGE H. HEDGE,
JOSEPH BARNES,
WILLIAM FERGUSON.

Officers.

WILLIAM P. COVELL, Chairman,
WILLIAM F. CASWELL, Secretary,
THOMAS W. COOK, General Superintendent,
CLARA L. CANAVAN, Stenographer.

Consulting Engineer.

GEORGE H. NYE.

CITY OF NEW BEDFORD.
OFFICE OF THE BOARD OF PARK COMMISSIONERS.

December 1, 1916.

To His Honor the Mayor and the City Council of New Bedford:

GENTLEMEN:—We have the honor in accordance with the requirements of the law and with the usual custom, of submitting to you the Annual Report of the Park Commissioners in relation to the maintenance, conditions, and requirements of the department for the year 1916.

The financial report presents the condition of our resources as follows:—

Appropriation by the City Council $33,000. Of this amount $23,402.72 was expended for labor and $9,595.05 for materials, leaving a balance of $2.23 unexpended. Improvement work upon the parks has been of a very limited amount and while the efforts of the Board so far as the finances would allow have been satisfactory, still it would have been more to the gratification of the public and the hopes of the Board if many improvements which are absolutely required for the comfort and convenience of the public and which has been explained and presented to and requested of the City Council year after year with hopes that the appropriation would afford the providing of such additions for the accommodations of the necessities of the public who by multitudes resort to our parks and have the right to be treated in a respectable manner by the provision of suitable relief and resources as occasion require.

Everything has been done within the means of the Board to make the parks useful and agreeable to the great number of our people who visit them. It seems to be

almost an impossibility to answer all the demands of the public for park purposes. The rapid increase in population of our city, the growth of which has within a few years become extensive, presents economic questions and problems which are hard to solve in accordance with the wishes of the people.

Parks and open squares are breathing places for the people and public playgrounds for their children. Public playgrounds are now recognized as of immense importance in all cities and towns. The influence upon the character and morals of children of healthful play under careful and efficient men or women must be productive of great good, not only to the children, but to the community in which they live. The use of the parks increases yearly. The playground part of the park system is growing to such an extent that the Board feels that extensive additions should be made in all the parks answering the need of recreation requirements. Picnics and school celebrations are of everyday occurrence in the summer not only for the children in our own community, but those from adjoining cities and towns.

Our city has attained a size and importance in its municipal life that demands, what most all cities have already recognized and admit as an absolute necessity, that parks and playgrounds are part and parcel of a prosperous and successful city, and that the investment of parks in desirable locations and well kept in all that goes to make health and happiness is the enjoyment and pleasure derived from out of door recreation.

Good government means and includes parks and playgrounds and recreation centers everywhere for old

and young, so they may enjoy life derived from the light, air, and exercise which promotes the personal welfare and the general prosperity and happiness of the community.

The Board feels that every year is to some extent one of progress in the advancement of the park system as desired by our people; yet the cost of improvements, which are many and expensive, prevents the department from doing many things which seem desirable and imperative.

The park system of our city is unquestionably becoming a great popular part of our municipality and it has demonstrated the fact that the parks are great recreation places for healthful activities and amusements for the old and young, and therefore, we feel that the taxpayers who furnish the funds for so laudable a purpose should be generous and feel that park appropriations mean health and happiness, also improves morals especially for the younger portion of our city who had better be seeking amusement and happiness there rather than in other places where the surroundings and ordeals would be anything but satisfactory.

A small runabout automobile was purchased in the early summer for the use of the Superintendent, and it has proven of great assistance in enabling him to supervise the work in all parts of the city.

Respectfully submitted,

WILLIAM P. COVELL,
WILLIAM, F. CASWELL,
GEORGE H. HEDGE,
JOSEPH BARNES,
WILLIAM FERGUSON.

SUPERINTENDENT'S REPORT.

December 1, 1916.

To the Board of Park Commissioners:

GENTLEMEN:—As required by law, I herewith present for your consideration my general report of the management of the parks for the past year, ending November 30, 1916. I had added a tabulated account giving the exact amount that was expended for each park for its maintenance.

The park system of our city consists of nine parks with a combined area of 221 acres, 80.46 square rods, with a full and fair cash value of $823,425.

In this report will be found a general statement of everything that has occurred in connection with the parks during the year. The details of its expenditures are given together with an account of whatever work has been done.

BUTTONWOOD PARK.

A very large and gratifying increase in the attendance at this park indicates that the popularity of the park is constantly increasing from year to year, and if better street car approaches were provided on Court and Union streets, it would still more enhance the importance of this place, and multiply the attendance a wonderful de-

gree. While there are a great many additions, improvements, and changes needed here, and while it would seem impossible to maintain a public park without them, yet the Board could not on account of the great expense attending them, accomplish them all in one season.

The most needed and required of all the requisites in this park, the Board affirms, is a Comfort House, for it goes without saying that such conveniences as are provided by such a structure, actually belongs to all places where multitudes of people congregate and for a city with a splendid park system governed by intelligent and business men, to neglect such an important feature for such an inviting and pleasure resort for all the people, young and old, is certainly a strong perversion of the duties they are expected to discharge.

The old apple orchard with its unsightly trees, which for many years has stood as the last vistage of the old farm which constituted the first purchase of the city for a park, became so decayed, useless, and unsightly, that the trees were all taken down, the ground surfaced and seeded and a beautiful lawn developed. The lot adjoining this was treated in the same way.

Baseball diamonds, tennis and handball courts, quoits, and cricket, also other games, were being constantly played, and our experience was that baseball diamonds, and tennis courts, must be multiplied in order to answer the demands and satisfy the people, not only the taxpayers must be satisfied but the thousands of people otherwise called "fans" whose love of outdoor games, must also be taken into consideration.

What to some, in fact many, consider the greatest outdoor exercise and recreation vouchsafed by nature to the people, is the skating which is enjoyed by thousands on the ponds at both Brooklawn and Buttonwood Parks. Amply supplied with electric lights, and with the warming or skating houses where refreshments can be had, the skaters and visitors enjoy unlimited pleasure alike.

The question is often asked, "What is the use of the parks?" In answer, would say that it seems to be to promote the well-being and happiness of the people, to alleviate the hard conditions of crowded communities, to encourage outdoor recreations, and intimacy with nature. They afford the tired workers from the factories an opportunity to fill their lungs with pure and wholesome air, they are havens of sweetness and rest for mothers and wives; and above all, they are for the children, in fact they are for all the people, high or low, rich or poor, with equal rights and privileges for every class.

The Board of Park Commissioners are working earnestly to the end that the people will realize their efforts and take advantage of the delightful opportunities offered them by the city's generosity. Buttonwood is a most desirable and entertaining place for the citizens' resort. Visit it some summer's afternoon and express your opinion.

BROOKLAWN PARK.

Again I feel compelled to call the attention of the Board to the condition of the north boundary line of this park, also the south and west, but most particularly the north side. As I have reported before in relation to this most annoying condition of this part of the park, I wish to again emphasize what I consider should receive the attention of the authorities, as the longer the condition exists and continues, the more difficult and expensive will be the remedy. The people in that vicinity are becoming more and more determined to encroach upon the park. They have already destroyed the forest-drive and use without any restrictions as they see fit, the park itself for carting any and all kinds of merchandise without regard to the injury they may do the park property.

We fully understand that the park is incomplete and that it will require time and money to put it in the condition we all hope to have it in, but certainly the unseemly use and deliberate disregard of the people in relation to the use of the park and its belongings, might be obliterated if they would take advantage of the facilities for travel and teaming by using the roads to the north provided by the city, viz, Wood street and others running parallel with the park.

This park is a favorite resort of the people; games of all kinds are enjoyed here. Picnics, school parties, carnivals, and organizations of all kinds seem to find great enjoyment in resorting to beautiful Brooklawn.

COMMON.

At the Common, which so many people find pleasure in calling "the public garden", may be found in season a beautiful display of roses in great varieties, also flower beds and shrubbery making the place very attractive. I have recommended often times before and still urge, the placing of a pond for aquatic plants, also a fountain, which would add greatly to the beauty and attractiveness of the Common.

Some trees were added this season and all the old and unsightly shrubs were removed and new ones of many kinds put in their places.

A great and much needed improvement is the replacing of the walks with new material, for the walks are used daily by throngs of people, not only for pleasure but as a thoroughfare for the thousands of people who reside to the north and south, going and coming to and from their work. If the walks could be made anew it would be a great source of satisfaction to the people living in that part of the city. The Board hopes that before long their wishes may be realized.

The history of the Common is eloquent with notable events which have transpired there, closely connected with the life, growth, and prosperity of the city. The country's Presidents have spoken there to our citizens, celebrations of marked and historical importance have been celebrated there, and one of the most beautiful and long-to-be remembered occasions was the planting of the "liberty tree" procured from the birthplace of Washington in October, 1896, by William Logan Rodman

Post No. 1, Grand Army of the Republic. The children of the schools participated in the exercises conducted by the veterans of the Civil War. It was an occasion that will connect in a vivid way an event of glorious importance in the history of the Common and our city.

GROVE PARK.

The Board feels great earnestness in presenting to the City Council the needs of this little playground situated in a congested part of the city surrounded by a neighborhood of mills whose operatives pass and repass through it many times a day, and to the great number of children whose only place to play or find amusement is in the streets, and the Board feel justified in recommending a sufficient appropriation to place the park in good condition both as regards to appearance and athletic apparatus, in fact make it a perfect playground for the children of that part of the city who so much need and desire it and who most assuredly deserve it.

The present athletic apparatus is of wood and has been in use many years and has outgrown its usefulness. It has become so delapidated that constant and expensive repairs are required to keep it safe for the children's use. The Board believes the playgrounds of our city have been among the most important additions to our parks and that such recreation work should be widely extended as rapidly as possible and that Grove Park should be the first to receive the attention of the authorities. Not less than three thousand dollars should be expended there this summer.

The Board are extremely anxious to have their wishes in relation to this place accomplished, as they believe it most just to the community living in that section of the city, as in no better way can we show our love for the children than by making them happy, which can only be done by making Grove Park what it can and should be made.

TRIANGLE PARK.

This park is a little piece of ground situated at the intersection of Ward, Harrison and Clay streets, and is the smallest piece of park property owned by the department, being in area 25.86 rods.

Trees, shrubs, flower beds, and a handsome lawn, make as we believe, and the neighbors enjoy, quite an attractive appearance and the satisfaction of the neighhood is thus assured.

The improvement of the city would be greatly improved if many more of these little spaces could be located throughout the city, as they would not only be appreciated by the residents of the various vicinities, but by all the citizens, as the admiration of the beauty-spots would be enjoyed by all the people.

ASHLEY PARK.

A little is being done each season to get this place into a park condition. Grading, filling and attention to the trees are the special features of improvements attempted by the Board. Without some special appropriation for this purpose but little can be done; the past sea-

son $1,409.19 was expended there but hopes are being entertained that ere long, it may be put in a desirable condition as it is in a portion of the city deserving it.

HAZELWOOD PARK.

The only changes in this park were, in answer to the request of many lovers of sport in the south part of the city, the addition of more tennis courts and a hand-ball apparatus, and in reply to them, the thanks and good-will was assured.

An improvement to this park, and a very satisfactory addition to both the appearance of the park and the comfort of the neighbors whose property borders on the south side of the park, would be the erection of a fence, in place of the old stone wall extending about 1,200 feet from east to west, and costing about $1,200 or $1,500. We hope it will be possible to build the same this coming season.

BRIDGE APPROACH.

This little park has been kept in its usual good condition which consists of keeping the grass cut, the flower beds properly cared for, and the roadways through the park clean and free from unsightly accumulations, which without constant care would present an unfavorable appearance.

Respectfully submitted,

THOMAS W. COOK,
General Superintendent.

BRIDGE PARK AND APPROACH TO FAIRHAVEN BRIDGE.

FINANCIAL REPORT.

New Bedford, Mass., December 1, 1916.

To the Board of Park Commissioners:

GENTLEMEN:—The twenty-third annual financial report of the receipts and expenditures of the department of parks for the year ending November 30, 1916, which I have the honor to submit contains in detail information regarding the finances of the department, including the receipts, expenses, and disbursements of the park commission, and affords in this summary, which is given herewith, an opportunity for those who are interested in parks, and their management, maintenance, and improvement, a correct and defined explanation of all moneys provided by the taxpayers, not only for the past year, but the total amount charged to the department since the adoption of the park system, is comprehensively made apparent by this report and submitted to our citizens for their consideration.

STATEMENT OF PARK EXPENDITURES

Comparative Statement.

1892	77,936.87
1893	5,734.79
1894	24,458.95
1895	21,321.17
1896	10,054.26
1897	14,834.89
1898	20,620.70
1899	18,879.33
1900	20,581.53
1901	51,011.63
1902	43,503.17
1903	42,042.33
1904	44,999.25
1905	20,000.00
1906	15,040.78
1907	24,998.47
1908	24,995.56
1909	25,129.25
1910	33,034.19
1911	39,564.23
1912	48,517.24
1913	45,661.39
1914	42,133.09
1915	29,960.85
1916	32,997.77
	$778,011.69

Itemized Statement.

Buttonwood Park	$236,383.83
Brooklawn Park	229,263.48
Common	123,389.00
Marine Park	8,546.16
City Hall	615.25
Triangle Park	1,776.13
Grove Park	19,586.07
Pine Park	632.58
Hazelwood Park	90,073.28
Bridge Approach	11,762.62
Office	52,824.82
Ashley Park	3,158.47
	$778,011.69

FINANCIAL STATEMENT FOR THE YEAR.

Dr.		Cr.	
Buttonwood Park	$8,231.27	Appropriation for Year	$33,000.00
Brooklawn Park	7,884.80	Sale of milk	68.32
Common	5,972.86	Rent, (cafe privileges)	150.00
Hazelwood Park	3,112.61	Sale of wood	65.20
Grove Park	1,080.11	Sale of animals	41.96
Bridge Approach	851.12		
Triangle Park	50.00		
Office	4,405.81		
Ashley Park	1,409.19		
Balance on hand	327.71		
	$33,325.48		$33,325.48

OFFICE EXPENSES AND MISCELLANEOUS.

Dr.

Superintendent and Clerk	$2,644.00
Telephone	91.90
Supplies	135.02
Auto Hire	104.25
Annual Report	118.28
Traveling Expenses	152.58
Printing	16.96
Purchase of Automobile	844.00
Auto Supplies and Repairs	44.15
Auto Insurance	51.30
Miscellaneous	203.37
	$4,405.81

Cr.

Net Expenditures	$4,405.81

MAINTENANCE OF THE COMMON.

Dr.

Assistant Superintendent	$1,030.75
Police	1,244.25
Common Laborers	2,292.66
Rent of Lot for Greenhouse	240.00
Lights	200.10
Water	224.95
Dressing	97.88
Plants, Shrubs, etc.	203.74
Clearing Snow	60.00
Tools, etc.	64.01
Repairs	91.51
Coal	87.84
Miscellaneous	135.17
	$5,972.86

Cr.

Net Expenditures	$5,972.86

MAINTENANCE OF HAZELWOOD PARK.

Dr.

Keeper and Laborers	$2,199.94
Telephone	36.39
Water	32 41
Repairs	177.49
Teaming	85.38
Supplies	76 08
Care of Ladies' Rest Room	137.00
Dirt	169 02
Handball Court	181.35
Miscellaneous	17.55
	$3,112 61

Cr.

Net Expenditures	$3,112.61

MAINTENANCE OF TRIANGLE PARK.

Dr.

Labor	$50.00

Cr.

Net Expenditures	$50.00

MAINTENANCE OF GROVE PARK.

Dr.

Labor	$548.00
Water	6.41
Playground Apparatus (repairs)	99.11
Road Oil	49.99
Fixing Fountain	22.83
Teaming	32.84
Supplies	68.41
General Repairs	237.76
Miscellaneous	14.76
	$1,080.11

Cr.

Net Expenditures	$1,080.11

MAINTENANCE OF BRIDGE APPROACH.

Dr.

Labor	$819.00
Repairs	9.50
Water	10.00
Coal	7.75
Micellaneous	4.87
	$851.12

Cr.

Net Expenditures	$851.12

MAINTENANCE OF ASHLEY PARK.

Dr.

Labor	$953.98
Supplies	81.08
Repairs	39.80
New Flagstaff	254.00
Exterminating Brown Tail Moths	18.43
Dirt	42.75
Miscellaneous	19 65
	$1,409.19

Cr.

Net Expenditures	$1,409.19

MAINTENANCE OF BUTTONWOOD PARK.

Dr.

Keeper	$1,030.75
Police	1,106.39
Labor	3,679.16
Telephone	36.39
Food for the animals	962.15
Repairs	374.58
Water	108.64
Lights	256.84
Exterminating Moths	24.29
Lights for Skating	47 90
Printing	17.80
Tools and Supplies	69.14
Seed	47.45
Teaming	30.00
New Elk Pen	156.50
Coal	31.00
Dressing	48.00
Horse Lawn Mower	48.00
Miscellaneous	156.29
	$8,231.27

Cr.

Net Expenditures	$8,231.27

MAINTENANCE OF BROOKLAWN PARK.

Dr.

Assistant Superintendent	$1,030.75
Police	1,812.35
Labor	3,010.74
Telephone	36.42
Water	658.47
Food for the Animals	315.04
Repairs	470.98
Lights	51.53
Supplies	144.61
Coal	220.02
Swings	14.00
Miscellaneous	119.89
	$7,884.80

Cr.

Net Expenditures	$7,884.80

MONTHLY EXPENDITURES, MATERIALS AND SUPPLIES.

1915	December	$647.69
1916	January	370.94
	February	410.71
	March	527.89
	April	777.33
	May	1,122.10
	June	975.13
	July	710.93
	August	1,782.35
	September	691.30
	October	694.27
	November	884.41
	Total	9,595.05

PAY ROLL.

1915		
December	1, 2, 3, ...	$960.17
1916		
January	4, 5, 6, 7, 8.....	1,719.84
February	9, 10, 11, 12, ...	1,506.45
March	13, 14, 15, 16, ...	1,393.84
April	17, 18, 19, 20, 21.....	2,174.15
May	22, 23, 24, 25, ...	2,342.07
June	26, 27, 28, 29, ...	2,460.03
July	30, 31, 32, 33, 34.	3,067.84
August	35, 36, 37, 38, ...	2,102.06
September	39, 40, 41, 42, 43.....	2,264.55
October	44, 45, 46, 47, ...	1,622.09
November	48, 49, 50, 51, ...	1,432.90
December	52, ...	356 73
		$23,402.72

Respectfully submitted,

THOMAS W. COOK,

Clerk.

CITY OF NEW BEDFORD.

In Board of Aldermen,

February 8, 1917.

Received, filed, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

February 8, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk

ANNUAL REPORT

OF THE

CHIEF OF POLICE

OF THE

CITY OF NEW BEDFORD

For the Year Ending December 31, 1916

NEW BEDFORD
THE J. E. BUDLONG PRESS, PRINTERS
1 9 1 7

Annual Report

New Bedford, Mass.

January 10, 1917.

To His Honor the Mayor and Gentlemen of the City Council:--

Gentlemen:---I have the honor to herewith submit the annual report of the condition and doings of the Police Department for the year ending December 31, 1916.

This department consists of the following·

Deputy Chief	1	Emergency Officers	2
Captains	4	Wagonmen	3
Chief Inspector	1	Chauffeurs	5
Inspectors	4	Housekeepers	14
Lieutenants	10	Matron	1
Sergeants	11	Janitors	2
Patrolmen	130	Laborer	1
Traffic Officers	8		
		Total	197

Number of Arrests during the Year 3585.

	Arrests by Months	Males	Females
January	314	265	49
February	206	186	20
March	233	203	30
April,	289	246	43
May,	277	239	38
June,	329	296	33
July,	350	320	30
August,	341	311	30
September,	327	298	29
October,	391	352	39
November,	272	252	20
December,	256	229	27
	3585	3197	388

Americans,	1533
Foreigners,	2052
Non-Residents,	673
Minors,	282
Commitments,	77
On Warrants.	927

NATIVITY OF PRISONERS

United States,	1533	India	1
Albania	9	Ireland,	214
Austria	136	Italy,	29
Azores Islands,	268	Madeira,	41
Belgium,	8	Norway,	8
Bohemia,	2	Poland,	39
Brazil,	1	Portugal,	84
Canada,	514	Russia,	119
Cape de Verde Islands,	108	Scotland,	51
China,	1	Spain,	2
Denmark,	6	St. Helena,	6
England,	297	Sweden,	17
Finland,	16	Syria,	14
France,	4	Turkey,	1
Germany,	25	Wales,	2
Greece	21	West Indies,	8

OFFENCES.

Abortion,	1
Abortion, Attempt,	1
Admitting Minors to Pool Room,	1
Adultery,	9
Assault,	46
Assault and Battery,	192
Assault, Felonious,	2
Assault, with Weapon,	8
Assault, on Officer,	3
Assault, Indecent,	3
Bastardy,	4
Begging,	6
Breaking and entering and larcency,	38
Breaking and entering and larcency, attempt,	1
Burning insured property,	3
Carrying a weapon,	17
Concealing leased property,	4
Contempt of Court,	26
Collecting junk without a license,	3
Cruelty to animals,	11
Delinquents,	77
Desertion,	12
Disturbing the peace,	107
Disturbing a religious worship	1

Drunkenness,	2055
Driving a vehicle without lights,	1
Disposing of leased property,	1
Fraudulently procuring entertainment,	1
Forgery,	3
Fornication,	4
Fugitive from Justice,	3
Gaming,	2
Gaming, present at,	14
Gaming, on the Lord's Day,	8
Gaming on the Lord's Day, present at,	40
Giving insufficient weight,	1
Habitual truant,.	3
Indecent exposure,	5
Idle and disorderly,	78
Illegal practice of medicine,	5
Illegal sale of liquor,	17
Insane,	10
Interfering with an officer,	8
Keeping a common nuisance,	7
Keeping a disorderly house,	32
Keeping a liquor nuisance,	16
Keeping liquor with intent to sell,	7
Keeping a gaming house,	2
Keeping gaming implements,	7
Keeping a gaming nuisance,	1
Larcency,	144
Larcency from the person,	1
Lewdness,	1
Lewd and lascivious cohabitation,	27
Maliciously breaking glass,	1
Manslaughter,	2
Neglect of family,	148
Neglect of child,	5
Neglect of parent,	11
Neglected children,	30
Night walking,	19
Non-support of illegitimate child	2
Open and gross lewdness,	2
Purchasing junk from a minor,	1
Profanity,	2
Rape,	10
Rape, attempt,	4
Reckless driving,	1

Robbery,	5
Runaway boys,	2
Rioting,	4
Sale and delivery of intoxicating liquor to minor,	2
Sale of mortgaged property,	1
Stealing a ride,	3
Stubbornness,	2
Surrendered by Probation Officer,	9
Sounding a false alarm of fire,	2
Threats,	13
Throwing glass bottle in the street,	1
Vagarants,	26
Violation of the Drug Law,	1
Violation of the illegitimate children act,	27
Violation of the motor vehicle laws,	84
Violation of the City Ordinances,	23
Violation of the labor laws,	5
Violation of the health laws,	1
Violation of the milk laws,	7
Violation of the white slave law,	3
Violation of the food laws,	6
Violation of the trade laws,	1
Violation of the immigration laws,	1
Violation of parole,	3
Violation of the engineer's license law,	3
Violation of the building laws,	2
Violation of the plumbing laws,	2
Violation of the fishery laws,	14
Violation of the junk ordinances,	3
Violation of the school laws,	1
Wayward child,	2
Wilful injury to real property,	8
	3585

PRIMARY DISPOSITION OF CASES.

Placed on file,	900
Sentenced to penal institutions,	689
Fined,	351
Continued,	618
Released by order of Court,	817
Bailed and defaulted,	25
Bailed to appear at Superior Court,	2
Bailed to appear out of town,	5

Bonded to keep the peace,	2
Complaints dismissed,	6
Delivered to out of town officers.,	34
Delivered to keeper of jail,	2
Delivered to State Board of Charity,	6
Delivered to Superior Court,	2
Insane Hospitals,	10
Not guilty,	32
Probably guilty,	25
Summons for out of town,	16
Nolle prossed,	40
Gulty of violation of the illegitimate children act,	2
Suicide in cell,	1
	3585

Paid fines,	240
Appealed,	97
Sentence suspended,	267

INSPECTOR'S DEPARTMENT.

Property recovered,	$ 19,648.14
Arrests,	445
Cases investigated,	3939
Notices served,	230
Search warrants served,	3

Respectfully submitted,
WALTER ALMOND,
Chief Inspector,

MATRON'S REPORT,

Prisoners,	309
Insane,	3
Neglected children,	3
Abandoned child,	1
Runaways,	2
Lodger,	1
Lost children,	5

Repsectfully submitted,
SARA M. BROWNELL,
Matron,

MISCELLANEOUS BUSINESS

Accidents,	9
Amount of property stolen in the city	$ 40,019.16
Amount of property recovered,	$ 31,621.78
Ambulance calls,	845
Animals impounded,	6
Bicycles found,	21
Buildings found open and secured,	599
Cases investigated,	29848
Dangerous buildings reported.	1
Dangerous dogs reported,	1
Dangerous wires reported,	4
Dead bodies found,	2
Defective streets and sidewalks,	190
Defective water pipes,	2
Disturbances suppressed,	1057
Dog notices served,	10
Dogs killed,	22
Fire alarms given,	6
Fires extinguished without alarms,	46
Horses found cast,	8
Horses killed,	5
Hours of extra duty,	3924
Intoxicated persons helped home,	17
Liquor search warrants served,	6
Lost children found and returned,	403
Notices served,	194
Still Fire alarms given,	3
Sick and injured persons assisted,	24
Street obstructions reported,	48
Street obstuctions removed,	55
Stray teams picked up,	24
Stray teams put up,	17
Search warrants served,	3
Water running to waste,	11

PERSONNEL OF THE FORCE

Deputy Chief, Acting Chief,

JOHN C. PARKER,

Captains.

DANIEL DIENEEN
THOMAS J. TAFT
HARRY D. STOW
FRANK W. SYLVIA

Chief Inspector,

WALTER ALMOND

Inspectors

GEORGE R. LAWRENCE
BENJAMIN LAMOTHE
ALBERT E. MOSHER
CHARLES F. SMITH

Lieutenants

NARCISSE A. BREAULT
EDWARD P. DOHERTY
THOMAS FAY
WILLIAM FOWLER
JOSEPH B. WING
CHARLES L. McBAY
JEREMIAH McCARTHY
SAMUEL D. McLEOD
WILLIAM E. ROSCOE
WILLIS C. UNDERWOOD

Sergeants

HARRY ELLIS
EDMUND FOLEY
AROD B. HOLLOWAY
JOSEPH S. MANNING
JAMES J. MOORE
JAMES W. SAVAGE
DANIEL P. SWEENEY
GEORGE A. SHERMAN
CHESTER L. TRIPP
WILLIAM WELSH
FRANK L. REMINGTON

Police Matron

SARAH M. BROWNELL

Patrolmen	Age	Years of Service
Ashley, Henry T.	40	12
Astley, Maurice	25	
Aillery, Constance	44	7
Allen, Charles E.	48	13
Almond, William Jr.	44	21
Barbour, Robert L.	39	7
Bedford, Ellverado	36	
Berry, James W.	25	
Boehler, Max F.	32	3
Bolton, James E.	38	3
Bourgeois, Albini	36	
Breault, Joseph A.	42	3
Brennan, Michael J.	30	
Briggs, Myron S. A.	42	5
Brightman, Ellery E.	48	10
Brophy, Edward O.	31	5
Burgess, Edward	31	
Butts, Henry	32	9
Cash, James	43	5
Caswell, Charles A	52	11
Chase, Raymond	41	5
Chausse, Onat A.	33	
Ceary, William E.	38	10
Cole, William T.	47	20
Craft, James F.	53	12
Crapo, Albert A.	39	12
Cushing, William S.	46	12
Daley, Charles F.	52	12
Davies, John W.	29	
Deane, James	45	7
DeGrasse, Charles H.	46	
Doherty, Thomas	41	3
Downey, Daniel	47	11
Downey John B.	31	3
Downey, William M.	40	5
Dupuis, Patrick H.	31	5
Dupuis, Wilfred H.	37	12
Durant, Lawrence J.	48	14
Earley, Edward C.	49	20
Evans, John	40	5
Fanning, John F.	40	7
Faunce, Albert M.	37	

Fay, John H.	37	10
Fell, Charles	31	3
Fernandes, Joseph A.	30	5
Francis, Antone	37	3
Freitas, Manuel	38	7
Fowler, Harry	28	
Gatenby, James. S.	44	7
Gibbs, Nathaniel F.	48	14
Glennon, William F.	44	9
Gobeil, Joseph	30	
Gorner, Arthur	33	3
Grant, George P.	40	9
Gregory, William	45	5
Hafford, Stephen Jr.,	60	17
Haggerty, Timothy F.	34	3
Hammersley, Raymond	32	
Haran, John F.	37	3
Haran, Luke T.	36	7
Harding, James P.	44	9
Harrington, Daniel	50	14
Hayden, Abram L.	44	13
Hawes, Harry C.	33	
Head, Edgar E.	39	9
Hickey, James M.	31	
Hickey, William B.	34	3
Horton, Eliphalet H.	52	12
Howland, William A. E.	49	20
Howes, Charles M.	31	
Hynes, Edward A.	43	11
Irwin, Henry Jr.	46	7
Ivey, James A.	61	26
Jacobs, Ellsworth C.	41	5
Jenkins, Thomas J.	30	3
Johnson, Harry	39	7
Kane, John A.	29	
Karcher, Frederick Jr.	56	14
Kelley, Michael J.	33	
Kenniy, John R.	29	
Kinney, Wlliam E.	26	
Leany, William T.	41	9
Lemaire, Anthony C.	30	
Lentz, Joseph A.	32	3
Lowther, George H.	58	20
MacFarlane, Joseph A.	40	

MacKinstry, Albert B.	37	11
Marder, James	26	
Maynard, John	26	
McCarty, William H.	31	3
McCrohan, John H.	33	5
McDonald, Daniel J.	54	20
McEnnis, Robert B.	60	22
McGoff, James E.	40	5
McKay John T.	34	7
Miller, John J.	42	9
Mitchell, William	36	9
Mott, Cassius B.	41	
Mullins Enoch	49	7
Murdy, Robert H.	49	12
Murphy, Edward	34	5
Murphy, Francis A.	39	7
Murphy, Lawrence	42	3
Muldoon, Thomas	35	
Nault, Joseph	32	7
Nelson, Ivar V.	33	3
Nickerson, Charles F.	43	16
O'Rourke, John J.	25	
O'Rourke, Thomas	24	
Oliver, John F.	52	23
Patterson, Charles C.	38	9
Paige, George W.	70	35
Phinney, Charles E.	45	9
Perry, Anthony E.	30	
Pieraccini, Raphael	36	7
Place, Joseph A.	53	10
Poirier, David J.	28	
Pollack, John H.	30	3
Prifogle, Edward,	39	5
Reddy, Michael J.	30	
Reedy, Joseph C.	30	
Rooks, Albert H.	50	14
Rooks, John C.	59	30
Sanders, Joseph A.	33	5
Searell, William E.	46	5
Seddon, Thomas Jr.	36	
Souza, William H.	46	3
Spooner, Charles A.	30	
Spooner, John C.	43	14
Stanley, Charles A.	30	

Staples, Walter C.	44	3
Sullivan, John T.	34	
Sullivan, James H.	52	16
Sullivan, Mathew	43	9
Sundin, Carl A.	37	7
Sylvia, Antone F.	44	9
Taber, Jeremiah M.	59	21
Turgeon, Joseph V.	33	7
Touchette, Hermes	39	9
Valentine, Thomas A.	31	
Velho, Augustine F.	35	7
Vogel, Robert F.	50	20
Walsh, John P.	29	
Walsh, William P.	26	
White, Albert B.	37	9
Winterson, Henry B.	32	3
Wilcox, Seth A.	46	12
Wilson, George A.	29	
Williams, Benjamin F. Jr.	44	9
Williams, Charles H.	42	9
Wixon, James A.	76	45
Woolfenden, Albert	38	7

EMERGENCY OFFICERS

Place, Joseph A.	53	10
Vogel, Robert F.	50	20

WAGONMEN

Murdy, Robert H.	49	12
Nickerson, Charles F.	43	16
Paige, George W.	70	35

CHAUFFEURS

Dalbec, Edmund	39	7
Meade, James	42	10
Patterson, Charles C.	38	9
Ryan, William M.	49	20
Turgeon, Joseph V.	33	7

HOUSEKEEPERS

Astley, Thomas	51	10
Cannavan, Patrick	80	48
Cleary, William E.	38	10
Dodds, James	63	24

Durant, Lawrence, J.	48	14
Hafford, Stephen Jr.	60	17
Kenney, Patrick	62	21
McDonald, Daniel J.	54	20
Mechan, Daniel	69	19
Prifogle, Edward,	39	5
Rooks, John C.	59	30
Sullivan, James H.	52	16
Sullivan, Timothy	69	41
Wilson, Thomas H.	80	30

MATRON

Brownell, Sarah M.

JANITORS

Allen, Charles G.	68	6
Drew, Moses C.	72	27

LABORER

Atwood, William W.	50	2

PENSIONED UNDER THE VETERAN ACT

Clough, George H	69	19
Comstock, Thomas W.	73	39
Mason, Henry W.	77	19
Smith, Andrew J.	73	23

RESERVE POLICE

	Date of Appointment
Beniot, William R.	Dec. 24, 1913
Burke, John E.	Feb. 10, 1910
Blackburn, Hargreaves	Dec. 22, 1916
Carroll, Eudore M.	Feb. 25, 1916
Carroll, James M.	Feb. 25, 1916
Chenel, Albert J.	Dec. 22, 1916
Coombs, Isaac C.	Dec. 22, 1916
Downey, Stepehen P.	Dec. 23, 1911
Dupuis, Bernard	Dec. 24, 1913
Fay, Miles L.	Dec. 23, 1909
French, Robert E.	Dec. 22, 1916

Gero, Henry R.	Feb. 25, 1916
Hutchinson, George R.	Feb. 25, 1916
Kelley, Thomas E.	Dec. 22, 1916
Lague, A. Ernest	Feb. 25, 1916
Landereville, Joseph E. A.	Dec. 22, 1916
Lemrise, Albert T.	Dec. 22, 1916
Machado, Manuel	Feb. 25, 1916
Manning, James L.	Feb. 25, 1916
McDonald, James	Dec. 27, 1907
McDonald, William F.	Feb. 10, 1910
McNamee John J.	Dec. 22 1916
Messier, Joseph A.	Dec. 22, 191
Murphy, William S. P.	Dec. 22, 1916
Nunes, George J.	Feb. 25, 1916
Parkinson, John	Dec. 24, 1914
Schneider, Raoul O.	Dec. 22 1916
Schultz, Gabriel	Feb. 25, 1916
Smith, John P. Jr.	Dec. 2, 1916
St. Pierre, Joseph E.	Dec. 2 , 1916
Sumner Thomas A.	Dec. 22, 19 6
Sylvia, Archie A.	Dec. 22, 1916
Turgeon Francois X.	Dec. 23, 1909
Vincent, Charles H.	Dec. 23, 191 1
Wooley, Thomas	Dec. 23, 1911

PROMOTIONS

On Feb. 25th the following promotions were made, viz:---

Lieutenant Harry D. Stow, to be Captain.
Lieutenant Daniel Deneen, to be Captain.
Inspector Frank W. Sylvia, to be Captain.
Sergeant Edward P. Doherty, to be Lieutenant.
Sergeant Samuel D. McLeod, to be Lieutenant.
Sergeant Narcisse A. Breault, to be Lieutenant.

On April 15th the following promotions were made viz:---

Patrolman Arod B. Holloway, to be Sergeant.
Patrolman George A. Sherman, to be Sergeant.
Patrolman Daniel P. Sweeney, to be Sergeant.
Patrolman Harry C. Ellis, to be Sergeant
Patrolman William Welsh, to be Sergeant.
Patrolman Edmund Foley to be Sergeant.
Patrolman James J. Moore, to be Sergeant.

TRANSFERED

On Feb. 11th Patrolman Edward Raymond was transferred to the Board of Health Dept.

RESIGNED

On Feb. 3rd, Lieutenant Lemuel D. Adams, who was acting as Court Officer, resigned.

APPOINTMENTS

On Feb. 25th the following named persons, members of the Reserve Police Force, were appointed Regular Police Officers of the City of New Bedford, viz:---

Maurice Astley,
Albini Bourgeois,
Michael J. Brennan,
Onat A. Chausse,
John W. Davies,
Charles H. DeGrasse,
Albert M. Faun e,
Joseph Gobeil,
Harry C. Hawes,
Charles M. Howes,
John A. Kane,
Michael J. Kelley,
John R. Kinney,
William E. Kinney
Anthony C. Lemaire.
Joseph A. MacFarlane,
James A. Marder,
Cassius B. Mott,
Thomas Muldoon,
Anthony E. Perry
Michael J. Reddy,
Charles A. Stanley,
Thomas Seddon, Jr.,
John P. Walsh,
William P. Walsh,

On December 22nd,the following named persons, members of the Reserve Police Force, were appointed Regular Police Officers of the City of New Bedfrod, viz:---

Ellverado Bedford,
James W. Berry,
Edward Burgess,
Harry Fowler,
Raymond Hammersley,
James M. Hickey,
John Maynard,
John J. O'Rourke,
Thomas O'Rourke,
David J. Poirier,
Joseph C. Reedy,
Charles A. Spooner,
John T. Sullivan,
Thomas A. Valentine,
George A Wilson,

On December 22nd, the following named persons were appointed members of the Reserve Police Force, to serve a probationary term of six months, in accordance with the civil service rules of the Commonwealth, viz:---

Robert E. French,
Albert T. Lemrise,
Thomas E Kelley,
William S. P. Murphy,
John P. Smith, Jr.
Joseph E. St. Pierre
Thomas A. Summer,
Joseph A. Messier,
Isaac C. Coombs,
Joseeh E. A. Landreville,
John J. McNamee,
Archie A. Sylvia,
Hargreaves Blackburn,
Albert J. Chenel,
Raoul O. Schneider,

RETIRED ON HALF PAY

Sept. 16, Housekeeper Andrew J. Smith.
Oct. 28, Patrolman Patrick Kennedy.

In Memoriam

PATROLMAN HIRAM E. RAYMOND.

Died Feb. 16. Age 61 years, 5 months, 30 days.

HOUSEKEEPER JAMES W. ARNETT,

Died March 14. Age 76 years, 11 months, 26 days.

HOUSEKEEPER DANIEL J. HUMPHREY,

Died May 16. Age 75 years, 5 months, 6 days

Respectfully submitted,

JOHN C. PARKER,

Acting Chief of Police.

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

January 25, 1917.

Received, Filed and Ordered Printed in the City Documents. Sent down for Concurrence.

W. H. B. REMINGTON,
City Clerk.

IN COMMON COUNCIL,

January 25, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

ANNUAL REPORT

OF THE

BOARD OF OVERSEERS OF THE POOR

OF THE

CITY OF NEW BEDFORD

For the Year 1916

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

MEMBERS OF THE BOARD.

1916.

ULRIC E. COLLETTE, Chairman.
CHARLES E. VAUGHAN.
ANTONIO A. FERNANDES.

OFFICERS OF THE BOARD.

1916.

ULRIC E. COLLETTE,
Chairman.

DOUGLAS L. McGEE,
Secretary and Almoner.

ANTONE H. SENNA,
Visitor and Portuguese Interpreter.

JOSEPH A. DESJARDINS,
Clerk and French Interpreter.

RAYMOND HALLIWELL,
Visitor, Appointed March 28th, 1916.

LUCY E. BROADBENT,
Stenographer, Resigned Dec. 4th, 1916.

M. CATHERINE ROGERS,
Stenographer.

MYRA E. JONES,
Stenographer Appointed Nov. 20th, 1916.

ARTHUR L. BRUNELLE, M. D.,
Physician to the North District.

HARRY L. STEVENS, M. D.,
Physician to the Center District.

FRANK W. MATHEWSON, M. D.,
Physician to the South District,
Appointed Jan. 1st, 1916.

LOUIS A. PERRAS, M. D.,
Physician to Almshouse and Clark's Point District.

THOMAS F. BROWN,
Superintendent of Almshouse.

KATHERINE E. BROWN,
Matron of Almshouse.

REV. CHARLES S. THURBER,
Chaplain of Almshouse.

CITY OF NEW BEDFORD.

OFFICE OF THE OVERSEERS OF THE POOR,
Municipal Building,
February 1st, 1917.

To His Honor the Mayor and City Council:

GENTLEMEN:—We, the Overseers of the Poor, herewith submit our annual report for the year ending November 30th, 1916.

The principal reason for the increased expenditures in this department over the previous year, was the continual increase in the number of Mother's Aid cases under Chapter 763, Acts of 1913. Forty-five mothers with dependent children were added to the books of the department during the year, and as the average weekly allowance to these cases amounts to $6.23 the increase may readily be figured from the above figures.

The appended itemized tables under the several heads give full particulars as to the amount expended for each division.

Respectfully submitted,

ULRIC E. COLLETTE, Chairman.
CHARLES E. VAUGHAN,
ANTONIO A. FERNANDES,
Overseers of the Poor.

Douglas L. McGee,
Secretary and Almoner.

GENERAL STATISTICS.

Gross expenditure for outside relief,		$121,711.11
Gross expenditure for Almshouse,		42,174.99
Total receipts for the year,		35,794.80
Amount paid to Cities and Towns,		2,910.98
Number of cases aided in 1916,	1,768	
Number settled in New Bedford,	1,218	
Number state paupers,	396	
Number settled elsewhere,	154	
Number of persons aided in 1916,	5,750	
Number settled in New Bedford,	3,645	
Number state paupers,	1,477	
Number settled elsewhere,	628	
Average cost of each case, yearly,		69.21
Average cost of each person, yearly,		21.29
Number of persons sent to local hospitals,	487	
Number of cases settled in New Bedford,	279	
Number of cases state paupers,	184	
Number of cases settled elsewhere,	24	
Amount paid to local hospitals in 1916,		11,555.76

MOTHERS' AID LAW.

Chapter 763, Acts of 1913.

Number of families aided in 1916,	144	
Number of widows aided,	124	
Number deserted mothers,	15	
Number mothers with husbands in institutions,	5	
Amount expended for mothers' aid cases,		35,366.10
Average cost of aid to each family, yearly,		245.60
Average allowance for week ending Nov. 29th, 1916 (114 cases),		6.23
Amount for the week,		709.50

BOARD OF HEALTH.

Number of histories procured, and settlements determined by this office,	480

TRANSPORTATION.

Number of persons sent to State Farm and Tewksbury,	81

BURIALS.

Number of persons buried by this department,	198	
Cost of burials for year 1916,		2,025.00

PAUPERS AIDED ELSEWHERE.

New Bedford settlements, outside of institutions,	117	
Amount paid out to Cities and Towns during 1916,		2,910.98

FINANCIAL STATEMENT.

DR.

To amount of appropriation		$120,000.00
Received from State for support of paupers	$ 8,667.51	
Received from State for burials of paupers	1,353.00	
Received from State for trans. of paupers	33.75	
Received from State for care of sick paupers	3,869.40	
Received from State for aiding Mothers under Chapter 763, Acts of 1913	10,807.80	
Received from Cities and Towns	8,103.14	
Received from Individuals and Societies	1,362,79	
Received from Sale of Produce and Stock	1,239.22	
Received from Board of Health	142.18	
Received from Soldier's Relief	216.00	35,794.80
		$155,794.80

CR.

Months	Outside Relief	State Inst'ns	Cities and Towns	Almshouse	Total
1915, December	$ 9,653.82	$286.00	$809.72	$3,690.87	$14,440.41
1916, January	9,714.89	115.00	819.97	3,361.81	14,011.67
February	10,217.02			2,975.42	13,192.44
March	10,701.76	316.86	107.40	3,906.01	15,032.03
April	9,999.77	192.40	290.31	3,775.69	14,258.17
May	9,595.25		214.58	3,276.44	13,086.27
June	10,169.06	341.72		3,240.54	13,751.32
July	8,523.82		145.65	3,386.29	12,055.76
August	9,569.78		10.00	3,648.36	13,228.14
September	9,491 84		513.35	3,035.88	13,041.07
October	8,774.32			3,540.97	12,315.29
November	11,136.82			4,336.71	15,473.53
Totals	$117,548.15	$1,251.98	$2,910.98	$42,174.99	$163,886.10

Expended over appropriation $8,091.30.

EXPENDITURES FOR OUTSIDE RELIEF—DEC. 1915 TO NOV. 30, 1916.

Month.	Salaries of Overseers	Salaries of Physicians	Office Pay Roll	Groceries	Medicines	Burials	Clothing, Shoes, Etc.	Transpor., Traveling Exp., Etc.	Office Expenses, Furniture	Hospital Charges	Board Outside Almshouse	Stationery and Printing	Fuel	City Treasurer	State Institutions	Cities and Towns	Miscellaneous	Total.
1915 Dec.	$75.00	$175.00	$446.40	$3,537.75	$297.35	$233.00	$112.29	$113.08	$41.65	$981.19	$339.83	$14.00	$722.44	$1,984.50	$286.00	$809.72	$580.34	$10,794.54
1916 Jan.	75.00	150.00	446.40	4,175.25	190.24	151.00	107.26	27.46	237.45	831.85	106.24	35.00	1,074.24	2,107.50	115.00	819.97		10,649.86
Feb.	75.00	150.00	446.40	4,464.85	389.90	305.00	82.87	127.11	11.84	891.96	77.50	30.12	988.97	2,175.50				10,217.02
Mar.	75.00	175.00	569.15	4,097.25	184.05	151.00	118.00	67.86	141.47	1,003.31	215.88	109.86	999.64	2,791.50	316.86	107.40	2.79	11,126.02
April	75.00	250.00	510.70	4,066.00	323.58	228.00	133.75	91.18	120.09	1,282.63	134.07	34.09	309.23	2,404.75	192.40	290.31	41.70	10,482.48
May	75.00	250.00	648.00	3,999.25	290.06	151.00	64.75	98.03	45.60	716.58	115.82	103.71	146.20	2,891.25		214.58		9,809.83
June	75.00	250.00	518.40	3,791.75	1,087.83	103.00	118.50	97.61	64.38	1,310.64	220.36	51.09	110.50	2,370.00	341.72			10,510.78
July	75.00	250.00	518.40	3,389.25	228.33	204.00	51.50	73.90	33.03	857.90	163.54	77.12	107.35	2,494.50				8,669.47
Aug.	75.00	250.00	624.00	3,593.00	236.03	71.00	7.50	99.00	54.27	1,029.37	156.45	50.61	98.80	3,214.75		145.61		9,579.78
Sept.	75.00	250.00	518.40	3,600.25	251.25	255.00	139.00	142.21	24.63	1,077.22	198.57	1.46	116.85	2,842.00		10.00	10.00	10,005.19
Oct.	75.00	250.00	518.40	3,251.25	269.45	74.00	59.75	159.40	41.23	869.07	210.45	11.22	150.10	2,835.00		513.35		8,774.32
Nov.	75.00	250.00	668.00	3,677.00	296.00	99.00	90.75	494.99	43.47	704.04	187.73	87.50	796.69	3,594.25			72.33	11,136.82
Totals	$900.00	$2,650.00	$6,432.65	$45,637.85	$4,044.07	$2,025.00	$1,085.92	$1,591.83	$859.11	$11,555.76	$2,126.44	$605.85	$5,621.01	$31,705.50	$1,251.98	$2,910.98	$707.16	$121,711.11

EXPENDITURES OF ALMSHOUSE—DEC. 1915 TO DEC. 1916.

Month.	Pay Roll	Dry Goods Clothing	Beef and Fish	Groceries	Shoes Hats and Leathers	Furniture and Crockery	Hardware	Fuel	Repairs on Premises	Carriage Repairing and Blacksmithing	Salary of Chaplain & Organist	Salary of Physicians	Medicines	Oils, Paints, Etc.	Lighting and Telephones	Tobacco	Ice	Stationery and Printing	Flour and Grain	Miscellaneous	Totals.
19 5 D c. 1916	$978.00	$353.83	$451.89	$674.04	$62.60	$53.80	$1.75	$319.43	$39.24	$26.85	$17.00	$75.00	$49.90	$91.91	$96.36	$39.65	$4.80	$5.75	$309.14	$39.93	$3,690.87
Jan.	959.76	129.00	568.48	370.54	148.40	63.10	31.87	318.92	59.26	27.80	22.75	50.00	3.00	49.60	48.10	41.67		24.15	440.41	5.00	3,361.81
Feb.	957.76	47.65	417.76	510.97	46.10	18.19	7.08	351.90	96.89	35.40	18.50	50.00	63.95	26.00	76.22			20.34	224.01	6.70	2,975.42
Mar.	1,223.20	238.76	547.91	669.94	41.98	36.85	16.28	416.17	24.14	22.55	18.50	50.00	99.47	139.87	63.10	105.43			151.35	40.51	3,906.01
April	979.83	226.03	459.52	828.68	18.37	15.28	8.31	294.56	18.62	39.75	22.75	75.00	197.02	120.65	60.27	43.75		1.60	147.65	218.05	3,775.69
May	1,167.06	81.50	390.37	614.23	34.75	27.17	13.60	258.21	61.43	9.65	18.50	114.50	166.32	77.72	45.19	40.05			148.75	7.44	3,276.44
June	1,031.02	101.60	476.40	446.56	79.69	73.44	8.19	58.64	63.82	16.60	17.00	112.50	176.47	107.90	48.61	40.00	49.98	10.50	300.11	21.51	3,240.54
July	1,078.73	67.99	444.38	493.24	52.65	17.80	5.73	198.74	120.39	15.90	24.25	112.50	38.40	55.97	48.10	40.88	35.64	14.00	392.20	128.80	3,386.29
Aug.	1,312.29	64.55	294.01	342.15	41.50	165.31	5.13	283.18	120.70	14.38	18.62	112.50	303.46	5.50	63.45		36.79	1.10	393.32	70.42	3,648.36
Sept.	1,068.52	92.98	526.54	289.08	20.91	10.70	8.42	69.38	102.42	1.80	18.50	75.00	87.33	7.11	55.42	41.89			405.66	154.22	3,035.88
Oct.	1,067.52	81.18	351.26	497.82	97.95	.50	71.23	410.32	25.57	54.34	21.25	150.00	31.15	86.61	62.34	77.05		7.75	440.04	7.09	3,540.97
Nov.	1,334.40	240.99	537.54	1,033.18	64.13	5.47	7.80	288.67	60.04	3.95	18.50	112.50	204.17	74.85	61.82			15.95	231.08	41.67	4,336.71
Totals	$13,158.09	$1,726.06	$5,466.06	$6,770.43	$709.03	$487.61	$185.39	$3,268.12	$792.52	$268.97	$236.12	$1,089.50	$1,420.64	$843.69	$728.98	$470.37	$127.21	$101.14	$3,583.72	$741.34	$42,174.99

1916

PRODUCTS OF CITY FARM.

Potatoes,	200 bushels
Onions,	100 bushels
Squash,	4,000 lbs.
Turnips,	35 bushels
Carrots,	60 bushels
Cabbage,	10,000 heads
Sweet corn,	2 acres
Peas,	15 bushels
Tomatoes,	50 bushels
String beans,	15 bushels
Lettuce,	500 heads
Muskmelons,	20 bushels
Radishes,	50 dozen bunches
Rareripes,	500 dozen bunches
Table beets,	16,000 lbs.
Spinach,	45 bushels
Celery,	2,000 plants
Parsnips,	35 bushels
Hay,	110 tons
Calves,	12
Pigs,	42
Milk,	37,210 quarts
Eggs,	450 dozen

ALMSHOUSE REGISTER.

For the year ending Nov. 30, 1916.

Month	Admitted	Discharged	Remaining
December,	38	24	226
January,	22	33	215
February,	32	24	223
March,	28	30	221
April,	24	56	189
May,	28	37	180
June,	34	33	181
July,	36	35	182
August,	20	27	175
September,	25	22	178
October,	22	20	180
November,	23	14	189
Totals,	332	355	2339

Number of inmates remaining Nov. 30, 1915,	226
Number admitted during the year,	332
Number discharged during the year,	355
Number remaining Nov. 30, 1916	189
Average number of inmates monthly	195
Per capita cost of each inmate per week	$3.47

REPORT OF THE PHYSICIAN
OF THE
NORTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—

I have made during the year ending Nov. 30th, 1916, 387 house visits; received 640 office calls; and attended 3 births. During the year 3 deaths have occurred.

Respectfully submitted,
ARTHUR L. BRUNELLE, M. D.

REPORT OF THE PHYSICIAN
OF THE
CENTER DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—

Herewith is my report for the year ending Nov. 30th, 1916. House visits, 1,276; office calls, 713; births, 15; deaths, 10.

Respectfully,
HARRY L. STEVENS, M. D.

REPORT OF PHYSICIAN

OF THE

SOUTH DISTRICT

TO THE

BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—

From January 1st, 1916, to November 30th, 1916, I have made 1,142 house visits for the department; received 547 calls at my office; attended 6 births and made 5 visits to the Almshouse. Seven deaths have occurred during the year.

Respectfully,

FRANK W. MATHEWSON, M. D.

REPORT OF DR. EDWARD T. TUCKER,

PHYSICIAN FOR THE ALMSHOUSE,

for December, 1915.

GENTLEMEN:—

During December, 1915, I visited the Almshouse patients 22 times. One birth occurred, and 6 deaths.

Respectfully,

EDWARD T. TUCKER, M. D.

REPORT OF THE PHYSICIAN

TO THE

CLARK'S POINT DISTRICT

AND

ALMSHOUSE

TO THE

BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN:—

My report for the year beginning Dec. 1st, 1915, to Nov. 30th, 1916 is respectfully submitted as follows, viz: Visits to the Almshouse, 219; house visits, 201; office calls, 206; births (including those occurring at Almshouse), 7; deaths (including those occurring at Almshouse), 47.

Respectfully,

LOUIS A. PERRAS, M. D.

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

Feb. 8, 1917.

Received, filed, ordered printed in City Documents and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

IN COMMON COUNCIL,

Feb. 8, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

ANNUAL REPORT

OF THE

Sealer of Weights and Measures

OF THE

CITY OF NEW BEDFORD, MASS.

FOR THE YEAR 1916

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

City of New Bedford.

In Board of Aldermen,

February 8, 1917.

Received, filed, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

February 8, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

REPORT OF

SEALER OF WEIGHTS AND MEASURES

New Bedford, Mass., January 29, 1917.

To His Honor the Mayor and the City Council of New Bedford:

Gentlemen:—I hereby submit to you the annual report of the department of weights and measures for the financial year ending November 30, 1916, with such recommendations as I deem necessary for increasing the efficiency of the department and further protecting the inhabitants of our city.

EQUIPMENT.

STATE STANDARDS.

One Troemner Balance, Capacity 50 lbs.
One Standard Yard Measure.

One	50 lb.	weight.	
"	25 "	"	
"	20 "	"	
"	10 "	"	
"	5 "	"	
"	4 "	"	
"	2 "	"	
"	1 "	"	
One	8 oz.	weight.	
"	4 "	"	
"	2 "	"	
"	1 "	"	
"	½ "	"	
"	¼ "	"	
"	⅛ "	"	
"	1/10 "	"	

MEASURES

One	½	bushel.	
"	¼	"	
"	1/3	"	
"	1-16	"	
"	1	gallon	
"	½	"	
One	1	quart.	
"	1	pint	
"	½	pint	
"	1	gill	

METRIC STANDARD LIST.

50 grams to 1-10 milligram.
1 Troy lb. to 1-10 grain.

WORKING EQUIPMENT.

One Troemner balance, capacity 50 lbs.
" Gurley " " 4 lbs.
" Jeweller " " 50 grams.
" Troemner " " 10 lbs.
" Platform Scale " 400 lbs.

46—50 lb. weights avoirdupois.
1 20 " "
1 10 " "
1 5 " "
3 2 " "
3 1 " "
3 8 oz. "
2 4 " "
2 1 " "
2 ½ " "
2 ¼ " "
2 ⅛ " "
2 1-16 " "
2 16 lb. "

METRIC WEIGHTS.

1 Killogram to 1-10 milligram.

APOTHECARY WEIGHTS.

1 Dram to 1-10 grain.

TROY WEIGHTS.

1 Lb. to 1-10 grain.

MEASURES.

Two 5 gallon
One 3 "
" 2 "
" 1 "
" ½ "
" 1 quart
" 1 pint
" 1 gill

One ½ bushel
" ¼ "
" ⅛ "
Two 1 quart dry
" 1 pint "
" ½ " "
" ¼ " "

GLASS GRADUATES

One 1 quart
" 1 pint
" 8 oz.
One 2 oz.
" 1 dram
" 35 cubic inches

One yard measure
One steel tape
Six steel dies
One Seal Press
250 Lead Seals
One Sealing Clamp
4000 Paper Seals
100 Non Sealed Labels
3 Rubber Seals
2 Drills
100 Condemning Tags
6 Punches
1 Vise
3 Slicker Plates
1 Record Book
20 Receipt Books
1 Coal Reweighing Book
5 Commodity Reweighing Books
1 Small Wagon for conveying weights.

Hammers, Screw Drivers, Chisels, Weights, old disused Weights, Flash Light, etc., Files, Seal Lifter, Magnifier, Acid, Plugging Lead.

WORK PERFORMED.

	Adjusted	Sealed	Non-Sealed	Condemned
Platform scale over 5000 lbs..	...	62	4	2
Platform scale under 5000 lbs.	225	1095	62	14
Counter scale.....	19	462	34	14
Beam scale.....	9	179	10	14
Spring scale.....	68	1135	14	89
Computing scale.....	16	446	11	9
Slot personal weighing scale..	...	59	...	14
Jeweller's scales.....	...	11	...	...
Miscellaneous grain scales....	...	...	87	...
Weights, avoirdupois.....	273	5656	...	18
Weights, metric	...	32	...	...
Weights, troy.....	3	120	...	...
Measures, dry.....	...	223	...	3
Measures, liquid (other than milk jars).....	5	1234	...	40
Milk jars.....	...	633	...	3
Ice cream cans.....	...	1750	...	51
Automatic pumps.....	49	129	19	10
Yard Sticks.....	...	352	...	16
Steel tapes.....	...	5	...	...
Totals.....	677	14,133	241	227

TRIAL WEIGHING.

	No. Tested	Correct	Incorrect Under	Incorrect Over
Coke and Charcoal	16	9	2	5
Coal (in wagons)	8	2	2	4
Coal (in paper bags)	63	49	9	5
Wood	1	...	1	...
Ice	2	...	...	2
Flour	16	10	4	2
Butter,	90	84	5	1
Dry commodities	172	150	14	8
Liquid commodities	12	10	...	2
Fruit, vegetables	24	20	1	3
Meats, Provisions	18	12	3	3
Bread	120	35	16	69*
Confectionery	30	30	gross weight	...
Berry Baskets	162	150	12	...
Gasoline and Oil	5	1	2	2
Fish	24	20	3	1
Ice cream boxes	90	90	...	...
Wood (in bags)	10	10	...	...
	863	682	74	107

* Mainly wrapped bread with weight on package.

SUMMARY OF INSPECTION.

In Stores	90
Pedlars' and Hawkers' Wagons	38
Hawker and Peddler License	15
Milk Wagons	19
Ice Wagons	16
Coal Certificates	18
Junk Dealers	34
Total	230

One prosecution that weight defended defaulted.

Income Sealing Fees	$1,101.08
Street Department Scales Sealing Fee	1.92
	$1,103.00
Appropriated by City Government	$2,800.00
Expenses	2,812.42
Amount expended over appropriation	$ 12.42

Total cost for year	$2,812.42
Total income	1,103.00
Net cost to City	$1,709.42

I would urgently request that you increase the force in this department. You have only one sealer, the same today as twenty years ago, in spite of the enormous growth of the city, and the fact that the State has passed many laws which the Sealer is required to enforce. For instance, the net weight law, peddler license law, itinerant vendor law, etc. The cotton mills also now require their cotton scales sealing every three months, also storage warehouses; then the gasoline pumps which are all over the city along with the apothecary stores which must be tested; and in this connection I wish to say that I have just finished the work in this city, done for the first time, and have found a large percentage of light weights and incorrect scales. This work has taken six weeks to perform but the time was well spent. The inspection work also in this city is not sufficient to protect the public. This feature of the work is, in my opinion, one of the most important, if not the most important, and it is not possible for me to give it the attention which it deserves unless the force is increased. I would recommend the appointment of one or more deputy sealers and a clerk to do office work, so that the office could be kept open during the day for the convenience of the public, and and while I know that you have many calls for bettering the interests of the citizens, I sincerely hope that you will see your way clear to give this department the increased force that is so urgently needed.

I would also respectfully call your attention to the fact that the high cost of living hits the man of moderate salary ($1200 per year) and modestly request such an increase as would meet the requirements of the increased cost of living.

Respectfully submitted,

JOHN HOBIN,
Sealer of Weights and Measures.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD

For the Year 1916

NEW BEDFORD:
THE J. E. BUDLONG PRESS, PRINTERS.
1 9 1 7

IN SCHOOL COMMITTEE.

DECEMBER 29, 1916.

Voted, That the Superintendent and Secretary prepare the Annual Report of the School Board for the year 1916, and that 1200 copies of the same be printed.

Report of the Secretary.

By direction of the School Committee, I submit to our fellow citizens the following report for the year 1916.

STATISTICS.

I. POPULATION AND VALUATION.

The population of the city [census of 1890] was	40,705
The population of the city [census of 1895] was	55,251
The population of the city [census of 1900] was	62,442
The population of the city [census of 1905] was	74,321
The population of the city [census of 1910] was	96,652
The population of the city [census of 1915] was	109,462
Valuation of the taxable property [1915] was	$113,121,793.00
School houses and lots,	2,674,675.00
Other school property,	231,858.04

II. APPROPRIATION.

Rate of taxation,	$23.00
Amount for school purposes not including new buildings,	513,000.00

III. SCHOOL CENSUS.

Number of children between five and sixteen years of age, and illiterates between sixteen and twenty-one years of age, reported by the census enumerators, in accordance with the census record taken in September, 1916.

Between 5 and 7 yrs.	3,557
Between 7 and 14 yrs.	13,713
Between 14 and 16 yrs.	3,688
Between 16 and 21 yrs. [illiterates]	1,922
Between 7 and 14 yrs. [unable to attend schoo]	5

IV. SCHOOL ORGANIZATION, June 30, 1916.

High school,	1
Grammar schools,	6
Mixed schools—Grammar, Primary, and Ungraded,	9
Primary schools,	14
Suburban schools,	2
Fresh Air schools,	2
Conservation of Eyesight school,	1
Cooking schools,	3
Manual Training schools,	4
	42

V. SCHOOL BUILDINGS, June 30, 1916.

Permanent schoolhouses,	34
Portable schoolhouses,	20
	54

VI. TEACHERS AND PRINCIPALS.

Whole number in service, January, 1917.

High school: 47 teachers, 1 clerk,	48
Elementary schools,	359
Special teachers and assistants,	28
School nurses,	3
Evening High school,	14
Evening Elementary schools,	86
Total,	538

PUBLIC SCHOOLS.

	1915	1916		
Enrollment of pupils,	16,256	17,100	increase	844
Average membership,	13,176	13,754	increase	578
Average daily attendance,	12,431	12,827	increase	396
Aggregate attendance,	———	2,438,233		———

PRIVATE AND PAROCHIAL SCHOOLS.

	1915	1916		
Enrollment of pupils,	4,479	4,379	decrease	100
Average membership,	4,247	3,822	decrease	425
Average daily attendance.	3,909	2,950	decrease	959
Aggregate attendance,	———	848,777		———

PUBLIC, PRIVATE, AND PAROCHIAL SCHOOLS.

Enrollment of pupils,	20,735	21,479	increase	744
Average membership,	17,423	17,576	increase	153
Average daily attendance,	16,340	15,777	decrease	563
Aggregate attendance,	———	3,287,010		———

TABLE 1.

The cost of instruction per scholar is based on the average number belonging and the total amount expended for the maintenance of each department, not including the expenditures from the Sylvia Ann Howland Educational Fund or Dog Fund, during the year.

High school,	$78.03
Elementary schools,	32.56
Evening Elementary schools,	8.07
Evening High school,	8.70
Day school,	36.99

RECEIPTS AND EXPENDITURES.
1915-1916.
Summary.

Total appropriations, general and subsequent,			$513,216.67
Total expenditures,			512,797.27
Balances unexpended,			$419.40
RECEIPTS—APPROPRIATIONS FROM CITY COUNCIL			
General appropriations, etc.:			
Teachers' salaries,		$387,000.00	
Transferred to repairs,	$201.97		
Transferred to incidentals,	3,873.18	4,075.15	
			$382,924.85
Incidentals—General,		$106,000.00	
Subsequent,		10,000.00	
Transferred from Teachers' Salaries,		3,873.18	
			$119,873.18
Repairs—General,		$7,000.00	
Transferred from Teachers' Salaries,		201.97	
			$7,201.97
Playgrounds,			3,000.00
Katharine St. school furnishings, balance from 1915,			216.67
Total,			$513,216.67
EXPENDITURES—MONEY RAISED BY TAXATION.			
For teachers' salaries:			
Day schools,		$373,301.02	
Evening schools,		9,365.00	
			$382,666.02
For incidentals:			
Salaries; Supt. and Sec., Asst. Supt., Grade Supervisor, Inspec. School Property, Dept. Mechanic, clerks, attendance officers and janitors,		$58,091.55	
Books and supplies,		14,362.56	
Janitors' supplies,		2,113.72	
Engine room, High School,		111.28	
Fuel,		22,889.15	
Lighting,		1,716.92	
Water Rates,		3,585.92	
Printing and advertising,		1,099.12	
Freight and carting,		190.38	
Transportation,		1,040.00	
Cooking school,		659.89	
Manual Training school,		511.06	
Bristol County Training school,		453.10	
Office,		735.45	
Fifth St. repairs,		9,912.48	
Miscellaneous expenses [furniture, telephones, etc.],		2400.60	
			$119,873.18
For repairs of buildings,			7,201.97
For furnishing new buildings,			58.00
Playgrounds,			2,998.10
Total,			$512,797.27

Balances Unexpended.

Transferred to unappropriated funds,	$260.73
Special appropriations carried forward to 1917,	158.67
Total,	$419.40

Receipts from other sources, paid to City Treasurer and credited to unappropriated funds:

For tuition non-resident pupils,	$3,001.50	
For tuition State Charity pupils,	95.25	
For sale of books and supplies,	83.66	
For discarded books, old furniture, junk, etc.,	212.94	
		$3,393.35

INCOME FROM TRUST FUNDS, ETC.

S. A. Howland Educational Fund,	$3,828.93	
Jonathan Bourne Prize Fund,	60.00	
Dog Fund,	3,763.04	
		$7,651.97

1916.

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand Dec. 4, 1915,	$2,568.93	
Income during year,	1,260.00	
		$3,828.93
Expenditures for the year,		2,967.68
Balance, Dec. 2, 1916,		$861.25

1916.

JONATHAN BOURNE PRIZE FUND.

Balance of income on hand Dec. 4, 1915,	$20.00	
Interest for the year,	40.00	
		$60.00
Expenditures for prizes,		60.00

1916.

DOG FUND.

Balance, December 4, 1915.	$1,064.07	
Income, 1916,	2,698.97	
		$3,763.04
Expenditures for the year,		2,415.33
Balance Dec. 2, 1916.		$1,347.71

	INSTRUCTION			OPERATING	
	Teachers' Salaries	Text Books	Regular Supplies	Janitors' Salaries	Janitors' Supplies
Old High School					
High School	$64,021.88	$1,848.18	$1,936.84	$9,294.30	$295.05
Parker St.	13,668.25	283.09	350.68	1,150.	84.20
H. M. Knowlton	16,005.65	246.65	345.55	1,237.50	95.66
Middle St.	11,066.38	252.22	252.09	1,000.	50.50
Fifth St.	10,200.26	272.16	188.87	925.	67.64
R. C. Ingraham	11,669.72	127.55	226.59	1,032.74	97.58
J. B. Congdon	13,979.04	211.13	298.28	1,177.03	117.66
J. H. Clifford	10,009.90	132.33	187.71	1,075.56	135.98
Thomas Donaghy	10,181.76	223.63	189.56	1,041.22	106.22
Wm. H. Taylor	10,560.76	50.92	172.75	980.29	64.88
Thos. R. Rodman	9,102.13	105.41	240.09	937.50	63.50
Jireh Swift	9,580.18	125.92	149.16	953.69	58.50
Abraham Lincoln	18,807.56	499.45	410.44	1,254.32	87.97
Betsey B. Winslow	10,367.38	146.95	116.91	1,019.76	74.94
Katharine St.	16,463.40	403.56	380.49	1,257.74	165.11
Phillips Ave.	8,645.76	111.33	123.96	1,000.96	57.
Cedar Grove St.	11,086.50	47.28	122.97	1,056.64	81.01
Clark St.	7,669.38	37.58	111.98	900.	36.85
Merrimac St.	4,587.75	39.36	148.59	800.28	30.79
Mary B. White	3,194.26	18.68	46.65	807.88	14.82
H. A. Kempton	6,416.50	87.01	117.61	850.	44.49
Cedar St.	4,924.02	21.72	65.21	792.89	25.12
Harrington Memorial	7,816.39	106.99	155.92	986.89	86.73
S. A. Howland	3,162.75	21.41	64.21	899.02	57.23
T. A. Greene	7,404.25	34.83	133.04	879.22	65.92
Acushnet Ave.	9,161.53	51.14	95.92	962.82	80.02
Thompson St.	7,825.13	49.39	119.80	900.	70.99
I. W. Benjamin	12,185.51	119.12	225.90	1,100.	80.80
Dartmouth St.	4,446.27	43.70	98.33	802.50	44.03
Geo. H. Dunbar	7,626.25	73.83	120.71	900.	59.79
Plainville	748.	9.12	15.98	100.	3.12
Rockdale	816.25		19.17	117.42	8.61
Sassaquin	858.75	3.92	24.40		4.09
Congdon Special	869.50		20.30		
Donaghy Fresh Air Class	816.25	2.56	26.15		
Donaghy Special	916.25		5.14		
Cedar Grove St. Special	916.25		13.63		
Harrington Special	916.25		23.57		
Conservation of Eyesight	336.25	17.77	49.93		
Howland Special	916.25	4.84	18.10		
Evening Commercial	2,205.		24.16		
Know ton Evening	1,921.		4.37	126.75	
Lincoln Evening	1,177.	6.32	5.15	87.75	
Parker St. Evening	429.			78.	
Fifth St. Evening	595.			83.50	
Ingraham Evening	1,929.	24.62	9.81	107.25	
Donaghy Evening	1,109.		8.45	86.50	
Knowlton Summer	187.50				
Middle St. Summer	187.50		5.95		
Ingraham Summer	187.50				
Manual Training	3,968.		551.59		.86
Cooking	2,198.25		690.73		10.89
Sewing	5,071.15		204.18		
Music	2,961.25				
Art	2,760.				
Physical Training	2,316.25				
Writing	200.				
Nurses	2,402.75				
Permanent Substitutes	914.37				
Miscellaneous					
Lectures					
Office		.73	749.90	19,329.63*	40.81
Sales		63.98	8.11		11.57
Stock		1,769.36	1,335.57		590.51
Total	$382,666.02	$7,695.74	$11,011.15	$58,091.55	$3,071.44

GRAND TOTAL $518,629.60

*Includes salaries of office employees

EXPENSES		REPAIRS	INCI-DENTALS	PLAYGROUNDS		HOWLAND FUND
Fuel	Light & Water			Salaries	Equip-ment	
		$11.50	$64.79			
$2,250.31	$816.99	637.75	728.69			$523.22
934.58	114.96	118.38	23.72			99.48
988.48	129.52	395.49	48.16	$319.37	$37.03	88.22
427.44	87.25	21.65	10.22			40.04
516.80	66.58	10,055.73	21.08			56.75
527.13	202.30	101.64	32.50	319.37	37.02	50.53
1,107.96	329.79	483.31	177.52	319.37	37.02	56.82
722.67	174.05	109.17	51.78			61.01
822.04	176.53	154.93	26.41	319.37	37.02	80.97
714.87	75.63	418.10	50.04			59.49
977.37	78.14	245.98	1.50			69.10
621.40	212.14	729.22	1,068.95			79.81
1,435.92	365.03	126.59	97.05	312.12	37.02	138.24
950.39	249.42	37.92	49.			42.58
1,343.73	326.65	107.35	28.20			121.12
634.61	54.10	52.56	36.82			61.77
540.34	177.70	561.28	16.77	319.37	37.02	22.38
530.51	38.12	56.12	21.53			77.04
299.76	206.72	284.29	9.76			28.21
459.36	127.14	343.79	16.81			14.47
491.31	18.94	50.72	5.77	309.37	37.02	10.60
269.41	34.95	25.27	.30			46.82
896.72	76.46	460.90	21.76	483.59	37.02	71.64
453.72	122.60	484.52	67.90			108.33
546.29	185.90	162.65	11.14			44.62
561.62	98.67	77.37	9.65			16.57
511.97	112.30	176.94	27.98			123.50
714.95	124.84	300.46	29.01			84.55
586.67	55.55	45.56	19.98			23.28
648.95	97.18	75.63	33.02			75.57
48.	8.	1.73				33.65
69.81	5.00	106.31				34.16
88.40		2.21				15.52
	54.24					
	70.29					
	26.24					
	22.42					
	64 02					
	30.88					
						78.
			1,743.49			10.64
						400.
195.66	85.60	91.43	270.18			18.98
$22,889.15	$5,302.84	$17,114.45	$4,821.48	$2,701.93	$296.17	$2,976.68

COST BY DEPARTMENTS.

	Expended
I. Administration	
Superintendent	$4,000.
Assistants	3,608.87
Per pupil	.55+
Office	10,185.43
Per pupil	.74+
II. Instruction	
Salaries	
High School	64,021.88
Per pupil	58.04+
Elementary Schools	285,924.62
Per pupil	22.60+
High School Supervisors	2,300.
Per pupil	2.08+
Elementary School Supervisors	18,089.27
Per pupil	1.42+
Evening High School	2,205.
Per pupil	8.61+
Evening Elementary Schools	7,160.
Per pupil	6.88+
Summer Schools	562.50
Per pupil	4.76
Playgrounds	2,701.93
Per pupil	2.82
Text Books	
High School	1,848.18
Per pupil	1.67+
Elementary Schools	3,982.55
Per pupil	.31+
Office	.73
Per pupil	.00005+
Evening Elementary Schools	30.94
Per pupil	.02+
Regular Supplies:	
High School	1,936.84
Per Pupil	1.75+
Elementary Schools	6,922.84
Per pupil	.54+

Office	$749.90
Per Pupil	.05+
Evening High School	24.16
Per pupil	.09+
Evening Elementary Schools	27.73
Per pupil	.02+
Summer Schools	5.95
Per pupil	.05+
Playgrounds	296.17
Per pupil	.31+

III. Operating Expenses

Salaries,

Janitors,

High School	9,294.30
Per pupil	8.42+
Elementary Schools	30,433.20
Per pupil	2.42+
Summer Schools	569.75
Per pupil	4.82+

Miscellaneous,

High School	3,067.30
Per pupil	2.78+
Elementary Schools	24,843.43
Per pupil	1.96+
Office	281.26
Per pupil	.02+

Supplies,

High School	295.05
Per pupil	.26+
Elementary Schools	2,133.50
Per pupil	.16+
Office	40.81
Per pupil	.02+

IV. Maintenance,

Repairs,

High School	649.25
Per pupil	.58+

Elementary Schools	$16,373.77
Per pupil	.12+
Office	91.43
Per pupil	.006+
V. Auxiliary Agencies,	
Health	2,402.75
Per pupil	.18+
Transportation	1,040.
Per pupil	.28+
VI. Miscellaneous	
Incidentals	3,781.48
Per pupil	.27+
VII. Howland Fund,	
High School	523.22
Per pupil	.47+
Elementary Schools	1,936.84
Per pupil	.15+
Miscellaneous	507.62
VIII. Sales	83.66
IX. Stock on hand Dec. 2, 1916	3,695.44
Grand Total,	$518,629.60

TEXT BOOKS, STATIONERY, AND JANITORS' SUPPLIES.

STATEMENT FOR 1916.

Dr.

	Purchased in 1916	Stock Dec. 4, 1915	TOTALS	
Books,	$6,708.70	$987.04	$7,695.74	
Stationery Supplies,	7,652.97	977.89	8,630.86	
Janitors' Supplies,	2,113.72	957.72	3,071.44	
	$16,475.39	$2,922.65	$19,398.04	

Cr.

	Charged to Schools, 1916	Stock Dec. 2, 1916	Cash receipts, 1916	TOTALS
Books,	$5,862.40	$1,769.36	$63.98	$7,695.74
Stationery Supplies,	7,287.18	1,335.57	8.11	8,630.86
Janitors' Supplies,	2,469.36	590.51	11.57	3,071.44
	$15,618.94	$3,695.44	$83.66	$19 398.04

The average cost per pupil in the different departments of the schools, for text books and supplies, has been as follows:

High School,	$3.15
Elementary schools,	.75
Average for day schools,	.95
Average for Evening Elementary schools,	.04
Average for Evening High school,	.09

DEPARTMENT OF PUBLIC SCHOOLS.

For the year beginning Sept. 8, 1915, ending June 30, 1916.

	Total Membership	Average Membership	Average Daily Attendance	Aggregate Attendance	
High,	1,272	1,103	1,059	203,384	
Elementary,	15,828	12,651	11,768	2,234,849	
Manual Training	1,401	1,180	31	21,769	
Cooking,	859	681	33	13,337	
Evening schools:					
High,	506	256	194	11,246	
Elementary,	2,188	1,273	1,040	41,404	

AVERAGE AGE OF PUPILS IN VARIOUS GRADES. JUNE 30, 1916.

HIGH SCHOOL.

		Yrs.	Mos.
Senior,	II.	19	6
Senior,	I.	17	6
Junior,	II.	17	5
Junior,	I.	16	6
Sophomore,	II	16	3
Sophomore,	I.	15	11
Freshmen,	II	14	7
Freshmen,	I.	13	7
Average for school,		16	5

ELEMENTARY SCHOOLS.

		Yrs.	Mos.
Grade VIII.	A.	14	2
Grade VIII.	B.	13	8
Grade VII.	A.	13	5
Grade VII.	B.	13	3
Grade VI.	A.	12	7
Grade VI.	B.	12	6
Grade V.	A.	12	4
Grade V.	B.	11	10
Grade IV.	A.	11	5
Grade IV.	B.	10	8
Grade III.	A.	10	3
Grade III.	B.	9	3
Grade II.	A.	8	10
Grade II.	B.	8	2
Grade I.	A.	7	6
Grade I.	B.	6	9
Sub-Primary		5	11
Kindergarten		5	6
Ungraded		13	4
Special Classes		12	11
Average for elementary schools		10	9

AGE AND SCHOOLING CERTIFICATES.

There were issued from the office of the Superintendent of Schools for the year 1916 the following age and schooling certificates:

	1916		1915	
	Original	Additional	Original	Additional
To minors between 14 and 16 years of age.....	1,751	2,588	1,327	1,313
To literate minors between 16 and 21 years of age ...	732	5,799	749	4,803
To illiterate minors between 16 and 21 years of age....	597	1,286	393	944
Time permits (to work until statement of birth may be procured)		135		119
Totals	3,080	9,808	2,469	7,179
Grand Totals	12,888		9,648	

REPORT OF ATTENDANCE OFFICERS:

From September 8, 1915 to June 30, 1916.

	John S. Silvia	Francis N. Howes	Ralph Covill
Schools visited,	1,490	2,280	1,443
Absences of pupils reported by teacher,	1,467	1,295	1,505
Absences of pupils without permission of parent,	67	53	111
Second offenses,	20	8	26
Third offenses,	10	5	11
Parents and guardians notified,	1,494	1,211	1,466
Pupils returned to school from streets,	81	50	119
Arrests,	1	2	3
Prosecutions,	1	2	3
Placed on probation,	0	1	0
Sentenced to training school,	1	1	3
Visits to mills,	64	42	57
Violations of labor laws,	5	17	9
Transfer cards received,	574	998	771
Evening school absences reported and investigated,	72	33	36
Posters carried out,	170	180	190
Enrollment cards carried out,	225	250	225
Visits to mercantile establishments,	39	27	50
Notices carried to schools,	574	841	501
Cases of tardiness investigated,	25	15	22

GRADUATES.
1916.

High School.

G. Walter Williams, Principal.

	Boys	Girls
College, General and Scientific Courses,	28	50
Commercial Course,	14	33
	42	83

Grammar Schools.

	Boys	Girls
Parker Street--Arthur F. Gilbert, Principal,	41	38
Hosea M. Knowlton--Edward B. Gray, Principal,	28	20
Middle Street-Elwyn G. Campbell, Principal,	35	49
Fifth Street--Edgar Kaharl, Principal,	29	33
Robert C. Ingraham--Alice C. Munsey, Principal,	33	22
James B. Congdon--Raymond H. Cook, Principal,	21	28
Thomas R. Rodman--Sarah A. Russ, Principal,	8	19
Jireh Swift--Louis D. Cook, Principal,	8	19
Abraham Lincoln--John W. Northcott, Principal,	14	20
Betsey B. Winslow--Alice T. Corrigan, Principal,	19	11
	236	259

PUPILS ENTERING THE HIGH SCHOOL—SEPTEMBER, 1915.

	Boys	Girls	Total
From New Bedford schools,	102	123	225
From other schools in city,	2	5	7
From schools out of city,	2	17	19
	106	145	251

PUPILS ENTERING—FEBRUARY, 1916.

	Boys	Girls	Total
From New Bedford schools,	91	95	186
From schools out of city,	4	4	8
	95	99	194

DEPARTMENT OF PUBLIC SCHOOLS.

Brief description of the schoolhouses, with their accommodations and conditions.

	NAME OF SCHOOL	LOCATION	Material	No. of stories	No. of school-rooms	No. of assembly halls	No. of sittings	Year completed	Estimated value
101	High.	County st., between Court and Morgan sts.	Brick	3	24	3	1000	1912	$700,000
302	Parker Street.	Parker st., near County st.	Brick	3	12	1	562	1852	86,379
303	Hosea M. Knowlton.	Cor. County and Coggeshall sts.	Brick	3	16	1	796	1906	105,787
304	Middle Street.	Summer st., between Elm and Middle sts.	Brick	3	9	1	498	1844	35,035
305	Fifth Street.	Cor. Pleasant and Russell sts.	Brick	3	10	1	490	1860	35,898
306	Robert C. Ingraham.	Rivet st.	Brick	3	12	1	575	1901	88,157
307	James B. Congdon.	Hemlock st., cor. Thompson st.	Brick	3	16	1	779	1908	123,039
350	John H. Clifford.	Coggeshall st.	Brick	3	12	1	532	1901	84,525
351	Thomas Donaghy	South st.	Brick	2	12		615	1905	82,639
352	William H. Taylor.	Brock ave.	Brick	2	12	1	590	1898	79,000
354	Thomas R. Rodman.	Mill st., cor Rockdale ave	Brick	3	10	1	435	1908	85,613
355	Jireh Swift.	Lunds Corner	Brick	3	10	1	466	1909	81,117
356	Abraham Lincoln.	Cor. Boowditch and Glennon sts.	Brick	3	20	1	980	1911	102,082
357	Betsey B. Winslow.	Allen st.	Brick	3	12	1	600	1912	85,000
358	Harrington Memorial.	Cor. Court and Tremont sts.	Brick	3	10	1	480	1889	54,503
359	Katharine Street.	Katharine st., between Orchard and Bonney	Brick	2	20	1	895	1914	171,225
401	Phillips Avenue.	Phillips ave.	Brick	2	8		364	1897	47,561
402	Cedar Grove Street.	Cedar Grove st.	Brick	3	15		631	1883	35,932
403	Clark Street.	Clark st.	Brick	2	8		372	1897	37,847
404	Merrimac Street.	Merrimac st.	Brick	2	6		261	1857	18,113
405	Mary B. White.	Cor. Pleasant and Maxfield sts.	Brick	2	4		195	1881	25,068
406	Horatio A. Kempton.	Shawmut ave.	Brick	2	8		390	1901	51,819
407	Cedar Street.	Cor. Cedar and Maxfield sts.	Wood	2	6		239	1855	7,063
409	Sylvia Ann Howland.	Cor. Pleasant and Kempton sts.	Brick	3	7		198	1893	65,100
410	Thomas A. Greene.	Cor. Purchase and Madison sts.	Brick	2	8		343	1894	66,089
411	Acushnet Avenue.	Acushnet ave.	Brick	2	10		462	1878	49,966
412	Thompson Street.	Thompson st.	Brick	3	8		370	1885	37,800
413	Isaac W. Benjamin.	Division st.	Brick	3	12		560	1891	33,875
414	Dartmouth Street.	Cor. Dartmouth and Hickory sts.	Wood	2	8		366	1855	17,106
415	George H. Dunbar.	Cor. Dartmouth and Dunbar sts.	Brick	2	8		363	1897	45,037
605	Plainville.	Plainville Road.	Wood	1	1		40	1846	1,000
606	Rockdale.	Hathaway Road.	Wood	1	2		60	1855	1,254
2	Portable.	Division st.	Wood	1	2		80	1903	4,331
1	Portable.	Madison st.	Wood	1	1		40	1903	2,165
2	Portable.		Wood	1	2		100	1910	3,400
8	Portable.		Wood	1	8		400	1911	15,782
6	Portable.		Wood	1	6		300	1915	10,800
1	Portable		Wood	1	1		25	1916	2,000
	Unoccupied.	Summer st, between Mill and North sts.	Brick	3	2	1		1876	113,388
	Unoccupied.	County Road.	Wood	1	10		90	1852	2,000

NEW BEDFORD PUBLIC SCHOOLS.

Rates of tuition for non-resident pupils for school year, September 6, 1916, to June 29, 1917, same to be paid quarterly:

High School,	$75.00
Grammar Schools,	30.00
Primary Schools,	25.00

SALARIES.

January 1, 1917.

HIGH SCHOOL.

	Min.	Max.
Principal,	$2,500	$3,000
Assistant Principal,	1,800	2,200
Heads of Departments,	1,400	2,000
Men assistants,	1,000	1,700
Women assistants,	800	1,200
Military instructor,		400

Increase $100 yearly until maximum is reached.

ELEMENTARY SCHOOLS.

Principals, Lincoln, Knowlton, Parker, Middle, Fifth, Ingraham, Congdon, Katharine,	$1,600	$2,200
Principals, Swift, Clifford, Donaghy, Rodman, Taylor, Winslow,	1,200	1,800

Increase $100 annually until maximum is reached.

Principals, primary schools:		
4 or 5 rooms occupied,	Maximum salary	$900
6 or 7 rooms occupied	" "	1,000
8 or 9 rooms occupied,	" "	1,100
10 or more rooms occupied,	" "	1,200
Assistants in eighth grades,	" "	875
Assistants in grades one through seven,	" "	800
Assistants in sub-primary and kindergartens	" "	800
Assistants in all grades,	Minimum "	550

Increase $50 per annum until maximum is reached.

	Minimum.	Maximum.
Teachers of special classes,	$800	$950
Teachers of ungraded classes,		850

ROCKDALE SCHOOL.

Principal,	$550	$850

PLAINVILLE SCHOOL.

Principal,	$550	$850

SUPERVISORS AND SPECIAL TEACHERS.

	Minimum.	Maximum.
Supervisor of Music,	$1,400	$1,900
Assistant Supervisor of Music,	600	900
Supervisor of Drawing,	1,400	1,800
Assistant Supervisor of Drawing,	600	900
Supervisor of Sloyd,	1,200	1,800
Teachers of Sloyd,	600	800
Supervisor of Cooking,	800	900
Teachers of Cooking,	500	800
Supervisor of Sewing,	800	900
Sewing Assistants,	550	800
Physical Director,		1,500
Assistant Physical Director,		850
Teacher of Penmanship,		200
School Nurses,		850

Supervisors, increase $100 annually.
Assistant supervisors, increase $50 annually.

CALENDAR 1917.

TERMS.

Fall term begins Sept. 6, 1916; ends Feb. 2, 1917.
Spring term begins Feb. 5, 1917; ends June 29, 1917.
Fall term begins Sept. 5, 1917; ends Feb. 1, 1918.

VACATIONS.

Spring vacation, one week, beginning April 2, 1917.
Summer vacation, nine weeks, beginning July 2, 1917.

HOLIDAYS.

Washington's Birthday,	February 22
Patriots' Day,	April 19
Memorial Day,	May 30
Columbus Day,	October 12

From Wednesday noon before Thanksgiving the remainder of the week.

SCHOOL SESSIONS.

High School: 8.30 a. m. to 1.15 p. m.

Grammar and Manual Training schools: Morning session 9.00 to 11.45 o'clock. Afternoon session 1.30 to 3.45 o'clock, without recess.

Primary and Kindergarten Classes: Morning session 8.45 to 11.45 o'clock. Afternoon session 1.30 to 3.30 o'clock. Recess in these classes for every pupil, 15 minutes in the forenoon, 10 minutes in the afternoon, as near the middle of the session as practicable.

In all other classes the sessions shall be prescribed by the Superintendent, subject to the approval of the Board.

OFFICE OF SUPERINTENDENT OF SCHOOLS.

166 William Street.
Office open 8.30 a. m. to 4.30 p. m., except Saturdays.
Saturdays, 8.30 a. m. to 11.00 a. m., 2.00 to 4.00 p. m.

ALLEN P. KEITH, Superintendent.
Office hours, 8.30 to 9.00 a. m., 12.00 to 1.00 p. m., except Saturdays.
Saturdays, 8.30 to 10.00 a. m.

JOSEPHINE B. STUART, Assistant Superintendent.
Office hours, 8.30 to 9.00 a. m., except Saturdays.
Mondays and Wednesdays, 4.00 to 5.00 p. m.
ELIZABETH B. TRIPP, Grade Supervisor.
Office hours, 8.30 to 9.00 a. m., except Saturdays
Thursdays, 4.00 to 5.00 p. m.

Office Assistants.
VIOLA C. MANSEAU, 30 Durfee Street.
CLARA S. BLAKE, 97 So. Sixth Street.
MARGARET F. GIBBONS, 560 County Street.
MARY G. PERRY, 59 Plymouth Street.

Inspector of School Property.
DANIEL H. FERGUSON, 563 Union St.
Office hours, 12.00 to 1.00 p. m., except Saturdays.

Department Mechanic.
WILLIAM O. MARTIN, 209 Summer Street.

Storekeeper and Janitor.
JOHN EGAN, 47 Independent Street.

Attendance Officers.
JOHN S. SILVIA, 126 Campbell Street.
FRANCIS N. HOWES, 318 Arnold Street.
RALPH COVILL, 159 North Street.
Office hours, 8.30 to 9.00 a. m., except Saturdays.

SCHOOL BOARD, 1916.

EDWARD R. HATHAWAY, Mayor, Chairman ex-officio.
WILLIAM B. GEOGHEGAN, Vice-chairman.

TERM EXPIRES 1917.

Name.	Place of Business.	Residence.
William B. Geoghegan,		47 So. Sixth St.
Clarence A. Cook,	Taun.-N. B. Copper Co.,	277 Union St.

TERM EXPIRES 1918.

Anna W. Croacher,		325 Pleasant St.
Napoleon Beaulieu,	Nonquitt Spinning Co.,	29 Nye St.

TERM EXPIRES 1919.

Samuel F. Winsper,	City Mfg. Co.,	226 Grinnell St.
Edward W. Sherman,	I. C. Sherman & Son,	61 Cottage St.

SCHOOL BOARD, 1917.

CHARLES S. ASHLEY, Mayor, Chairman ex-officio.
CLARENCE A. COOK, Vice-chairman.

TERM EXPIRES 1918.

Name.	Place of Business	Residence
Anna W. Croacher,		325 Pleasant St.
Napoleon Beaulieu,	Nonquitt Spinning Co.,	29 Nye St.

TERM EXPIRES 1919.

Samuel F. Winsper,	City Mfg. Co.,	226 Grinnell St.
Edward W. Sherman,	I. C. Sherman & Son,	61 Cottage St.

TERM EXPIRES 1920.

Clarence A. Cook,	Taun-N. B. Copper Co.,	277 Union St.
Joseph Eccleston,	J. C. Rhodes & Co., Inc.,	9 Jenney Lind St.

Teachers and Janitors.

IN SERVICE JANUARY 1, 1917.

	Principals.	Assts.	Clerk
High School,	1	46	1
Elementary schools,	29	325	
Suburban schools,	3		

	Supervisors.	Assts.
Music,	1	2
Drawing,	1	2
Manual Training,	1	3
Cooking,	1	2
Sewing,	1	6
Penmanship,	1	
Grade Supervisor,	1	
Physical Director,	1	1
Gymnasium asst.,		1
Gymnasium pianist,		1
Military instructor,	1	
Band and Orchestra director,	1	
Nurses,	3	

	Janitors.	Assts.	Eng.	Asst. Eng.	Firemen
High,	1	*7	1	1	2
Elementary schools,	29				
Spare men,	4				
Suburban schools,	2				

*Includes 6 cleaners

TEACHERS.

Following are the names of teachers who have resigned and who have been appointed to the corps during the past year.

RESIGNATIONS, 1916.

Helen S. Anderson
Charlotte C. Bayley
Clara L. Davis
Catherine H. Driscoll
Evlyn H. Emmott
Alice S. Goldthrop
Marion A. Guilford
Ruth W. Holloway
Alice E. Jenney
Frederick I. Kelley
Bessie Lee
M. Theresa McGrath
Florence L. McNamara
Mary L. Raymond
Lottie M. Roberts
Mary K. Senecal
Marguerite Struthers
F. Gertrude Thompson

RETIRED.

Harriet S. Damon
Gertrude H. Leonard

APPOINTMENTS.

Mildred L. Bailey
E. Pearl Baker
Ruby E. Bentley
Mabel I. Borden
Winona A. Burditt
Flora M. G. Caouette
Millie D. Church
Myra H. Clark
Doris A. Cottle
Adeline C. Damon
Ruth M. Day
Alice W. Dearborn
Marjorie Hastie
Ruth A. Howard
E. Mildred Hughes
May E. Hurley
Katherine H. Janes
Gladys E. Keen

Elizabeth H. Kenney
Isabel E. Kerrigan
Edna H. Lane
Loretta M. Littlewood
Frances M. O'Brien
Paul O'Hara
James Parkinson
Clara G. Parmenter
Guy A. Senesac
Bride A. Shortell
Annie Sibor
Alice E. Silvia
Claude C. Smith
Flora Vieira
Mary A. Wight
Olive A. Williams
Tosca Woehler

NO. OF CHILDREN IN GRADES—SEPTEMBER, 1916.

AGE GRADES	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	ACCEL.	NORMAL	RETARD	TOTALS
8A								19	100	70	37	9	1		19	170	47	236
8B							4	41	148	70	43	8	1		45	218	52	315
7A							1	69	139	58	19	3	1		1	208	81	290
7B							35	167	170	59	7	2			35	337	68	440
6A						3	118	160	133	32	4	1			3	278	170	451
6B					2	31	192	187	136	54	14	1			33	379	205	617
5A					8	96	205	180	124	33	5	2	1	1	8	301	346	655
5B					36	243	218	180	147	44	11	1			36	461	383	880
4A				1	121	248	213	152	114	15	3	1			1	369	498	868
4B			1	46	361	218	151	107	53	18					47	579	329	955
3A			3	196	291	186	89	73	29	4					3	487	381	871
3B			43	459	252	162	75	37	9	4	1				43	711	288	1042
2A		3	220	341	184	102	41	28	3						3	561	358	922
2B		58	572	270	116	62	20	17	2						58	842	217	1117
1A	1	340	387	165	60	18	11	3							1	727	257	985
1B	70	1005	266	96	37	22	8	10							70	1271	173	1514
TOTALS	71	1406	1492	1574	1468	1391	1381	1430	1307	461	144	28	4	1	406	7899	3853	12158
PER CENT															3.3%	65.%	31.6%	

REPORT OF PROMOTIONS

For Term Ending Feb. 4, 1916.

	No. in Class	No. Promoted on Probation	No. not Promoted	Per Cent. not Promoted
Grade 1 B	1469	38	414	28.1
1 A	972	31	203	20.9
2 B	1095	46	155	14.2
2 A	866	46	95	10.9
3 B	981	54	90	9.2
3 A	799	44	76	9.5
4 B	926	32	99	10.7
4 A	788	63	111	14.1
5 B	760	56	101	13.3
5 A	563	39	62	11.
6 B	543	39	59	10.9
6 A	415	32	43	10.4
7 B	349	25	45	12.9
7 A	323	22	24	7.4
8 B	306	24	30	9.8
8 A	239		13	5.4
Totals,	11,394	591	1,620	14.2

Pupils in Special Classes not included in above table.

For Term Ending June 30, 1916.

	No. in Class	No. Promoted on Probation	No. not Promoted	Per Cent. not Promoted
Grade 1 B	1050	19	226	21.5
1 A	1285	25	228	17.7
2 B	961	26	124	12.9
2 A	1044	39	112	10.7
3 B	896	38	81	9.04
3 A	936	39	94	10.04
4 B	800	32	70	8.7
4 A	887	53	112	12.6
5 B	716	35	93	12.9
5 A	660	46	76	11.5
6 B	505	36	64	12.6
6 A	455	31	46	10.1
7 B	341	29	62	18.1
7 A	329	18	32	9.7
8 B	249	19	14	5.6
8 A	277		14	5.05
Totals,	11,391	485	1,448	12.7

Pupils in Special Classes not included in above table.

In Memoriam.

PRINCIPAL.

EDGAR KAHARL

1912-1916

TEACHER.

ALICE A. TAYLOR

1888-1916

JANITOR.

ROBERT ARNETT

1888-1916

Report of the Superintendent.

TO THE HONORABLE SCHOOL COMMITTEE:

Dr. Croacher and Gentlemen:— I have the honor to submit the fifty-sixth annual report of the Superintendent of Schools of this city.

Our efforts during the past year have been devoted to better teaching. The constant aim is to so organize the work that each pupil may enjoy the greatest possible opportunity. Good books and pleasant rooms help greatly but it is the personality of the teacher that really reaches the boys and girls. We seldom remember any teacher for what he or she actually taught us but we can never forget the influence which a particular teacher left with us as we passed from grade to grade.

In June a class for the conservation of eyesight was opened in a portable building located at the rear of the S. A. Howland building. This location was decided upon because of the fact that, with one exception, all car lines either passed the building or were within one block. The pupils come from all parts of the city. Miss Stuart, who has the supervision of the class, and Miss Helen F. Moore, the teacher, have very carefully planned the work and during the summer there was printed an outline which has proven most helpful and which has been purchased for a majority of similar classes in the state. Dr. Atchison has voluntarily visited the class regularly each week. His visits have been most helpful and with the assistance of Miss Ricketson, our school nurse, have assured proper medical treatment at all times. The work has received

the commendation of the state officials and we have been honored by having with us for two days a teacher sent by the Boston School Department, to study and report upon the work of the class.

In response to a request of the young ladies interested in Lumbard House, the children's ward of St. Luke's Hospital, a teacher has been assigned to do individual work with such children as are recommended by the authorities. Upon investigation it was found that there was an average of twenty children confined there who were being treated for orthopedic diseases and as some of them are detained from three to five months it seemed only right that these children should be given the opportunity to keep up their school work.

A survey within the system has proven a decided help to teachers and supervisors alike in that it called for an intensive review of the course of study.

A group of teachers is meeting regularly for the discussion of educational problems. Leaders are appointed and all present are asked to join in a round table discussion. The first meeting was attended by about fifty of our principals and teachers. These meetings will offer an excellent opportunity to keep the teachers' knowledge of educational matters up to date.

A large number of teachers and a few citizens have taken advantage of the university extension work offered by the State Board of Education and we have two large classes now meeting regularly, one in Spanish and one in English Composition. It is to be hoped that this is but the beginning and that in a few years we may be able to offer a large number of courses. We have the building and as soon as the amount of money available is sufficient the State department will be glad to furnish the instructors.

FRESH AIR CLASSES.

Our school nurses report the immediate need of rooms for fresh air classes in the north, central and west parts of the city.

The great good resulting from the opening of such a class in the south part of the city certainly warrants the extension of the plan at the earliest possible moment. More and more regular class room teachers are realizing that one of the best helps to good work and good discipline is fresh air and I look forward to the time when every room in the city will be a real fresh air room. I note with pleasure that a great majority of our teachers now spend the recess period in the yard with the children. This is good for both and when once tried is never dicontinued.

JUNIOR HIGH SCHOOL.

A Junior High school is a school combining the seventh and eighth grades of the elementary school with the freshman class of the secondary school and organized after the general plan of the secondary school as regards curriculum and the general plan of the elementary school as regards methods of instruction. This type of school is being very generally introduced in order to bridge the gap between the present elementary and secondary schools. That there is a gap no one denies but in attempting to escape one gap great care should be taken not to establish another.

Some of the pioneers in this work have attempted to introduce the secondary school organization and methods in the seventh grade and this has quite generally proven unwise. If the transition from the sixth to the seventh and the ninth to the tenth grades is to be made as easy as it is in all other instances great care should be exercised to make the change a gradual one. It seems reasonable that we should take notice of the physiological change which takes place in most boys and girls at about the time they enter the seventh grade and make some readjustment to meet these new conditions. This idea is not new as other countries have been organized on this plan for many years and we have certain secondary schools in New England which have been organized under this plan in a limited way for many years.

After careful consideration of all the facts available I am convinced that the only change which should take place in the seventh year is a division of the present general work between two teachers thus giving the pupil his first introduction to specialized instruction. At the beginning of the eighth year he should be allowed a choice of courses, classical and commercial, and the work divided among three teachers thus gradually leading up to the strictly departmental work which should begin with the ninth year. All girls should be required to take the work in dressmaking, millinery, cooking, and home decoration regardless of the course they choose. Manual training, which should include a strong course in "home repairs", mechanical drawing, bench and lathe work, and kindred work should likewise be required for all boys. In each case the required work should cover at least two years with an elective for the third year.

It is generally conceded that these schools should follow the present two session plan of the elementary school and that promotion should be by subject. A very general reorganization of the Course of Study must be made as mere departmentalizing will not bring the desired results. I believe we have the teachers in our corps to put this plan into successful operation but we cannot consider the appointment of any teacher to such a corps who is not open minded and who does not believe better teaching possible.

I believe that this reorganization would mean much to the school system of New Bedford. In every city or town where this plan has been adopted it has been found that nearly all the pupils completing the eighth grade have remained in school to complete the full Junior High school course. The location of such schools in three sections of the city would allow the pupils to remain in their home districts one year longer than is possible at present.

The gymnasium privileges would mean much to the boys and girls of the seventh and eighth grades.

While the Junior High school will not prove to be a panacea for all educational ills it will if introduced into our school organization do much to strengthen some of the weak spots and furnish added opportunities for the boys and girls of New Bedford.

NEW BUILDINGS.

The following table will show our gain in school population since 1900 in five year periods and what has been done to meet the growth during each period:

	1900	1905	1910	1915
Enrollment	9,394	10,062	11,964	16,256
Gain during period		668	1,902	4,292
New buildings erected during period		3	5	3*
Portable buildings erected during period		3	0	14
Number of rooms made available		35	64	66

*New high school building not included.

This table shows generous provision for the growth during the first two periods and very inadequate provision for the very rapid increase during the last period. The enrollment for the year 1916 was 17,100, an increase of 844 pupils, thus maintaining the average growth during each year of the period 1910-1915. The school population is growing at the rate which requires at least twenty additional schoolrooms each year.

As accommodations have not been furnished as required we have been forced to use every available recitation room and also adopt the double session plan. This plan is now in operation at the Abraham Lincoln and Phillips Avenue schools and at the opening of our next term it will be necesssary to extend it to the Katharine Street school and possibly one other. With this plan, which seems to be the best one yet tried, many transfers are necessary at the opening of each term and such constant changes are detrimental to the pupil and unsatisfactory to parents and school officials.

Plans for one new fifteen-room building have been prepared during the past year. Provision should be made immediately to care for the present school population and the increase which is sure to come during the next five years. The pressure at present is in the lower primary grades and in the high school. To meet this condition I would recommend a consolidation of the seventh and eighth grammar grades with the high school freshmen in three sections of the city, north at the H. M. Knowlton building, central in a new building on the site of the old high school, and south at the J. B. Congdon building. The enrollment at each of these centers at the present time would be as follows: Knowlton 600; Central 550; Congdon 600; a total of 1750. The new building at the center should have not less than 30 school rooms, 3 domestic science rooms, 3 manual training rooms, an assembly hall and a gymnasium. Additions to the Knowlton and Congdon buildings should be so planned as to make them correspond with the central building. The three buildings so constructed would accommodate 2700 to 3000 pupils. A new primary building located between the Wm. H. Taylor and I. W. Benjamin schools should be built at once. This would allow the children in the Taylor school district to remain at that school through the sixth grade and so relieve crowding at the Benjamin school as to allow the children in that district to attend their home school. It is hoped that we also close the third floor rooms at the Benjamin building.

We have two wooden buildings in the city, the Dartmouth Street and the Cedar Street buildings, each containing six rooms. Any constructive plan should include the replacement of these buildings with modern structures of double the present capacity. The present locations are excellent. The building operations in the Dunbar district will mean new district lines for that school and the only means of relief is through an enlarged building on the Dartmouth Street site. Pressure from the west gives us similar conditions at the Rodman school and a larger building at the Cedar Street location

would care for this problem. The city lot on Hillman Street might also be considered as a location for this building.

The many new buildings in the Mount Pleasant district at the northwest call for a new building in that section of the city. This school should be so located as to relieve present congestion at the Clark Street, Knowlton and Linclon schools and provide for the future growth to the west of this section.

I would therefore recommend that immediate action be taken to provide:

1. A new central Junior High school building on the site of the old high school.

2. Additions to the H. M. Knowlton and James B. Congdon buildings which would render them suitable for Junior High school purposes.

3. A new sixteen-room primary building to be located between the Wm. H. Taylor and I. W. Benjamin schools.

4. A plan for replacing the present Dartmouth Street and Cedar Street buildings with modern structures on enlarged sites.

5. A suitable building lot in the northwest part of the city near the Mount Pleasant railroad station.

I desire to express my appreciation of the work of a loyal corps of teachers and to thank you for your cordial support during the year.

Respectfully submitted,

ALLEN P. KEITH.

Report of the Assistant Superintendent of Schools.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—In accordance with your request I herewith present the eleventh annual report of the assistant superintendent of schools.

The survey of the work of the first six grades in the elementary schools of the city and the adjustment of the course of study begun some time ago have been continued during the year. But this is an undertaking which we have not attempted to complete in one year or in two and a report of the work already accomplished would exceed the limits appropriate to the present report. Much material is being gathered, some furnished by the teachers, some obtained from the oral and written work of the pupils, and some from the observation of principals and supervisors. From time to time reports have been made at teachers' meetings, and committees of teachers and principals have assisted in the work of revision and adjustment.

During the year two or more classes have been added to the seventeen classes already established for the instruction of handicapped children. These nineteen classes now include ten classes for over-age non-English speaking pupils, five classes for backward and mentally deficient children, an open-air class at the Sassaquin Sanatorium for children who are patients there, an open-air class at the Thomas Donaghy school for anaemic children, a class at the Sylvia Ann Howland school established last June for children with defective eyesight, and a recently established class at St. Luke's hospital for the instruc-

tion of orthopaedic patients who are physically and mentally able to profit by continuing some school work under individual instruction.

In each of these special classes (except in the case of non-English speaking pupils) the physician and the nurse are dominating forces and the child's school work is of secondary importance. In equipping these classes in school buildings the advice of specialists and experts is sought and physical inspection is made by physicians and nurses specially qualified for the work, not only at regular intervals but whenever it seems needed.

The class at St. Luke's hospital calls for no special adaptation of equipment and it is anticipated that the instruction will present but few problems. But the problems presented by a class for the conservation of eyesight are numerous and serious. In other cities visited before the opening of the class here the disheartening conditions confronting the teacher were plainly set forth by those in charge of classes of this nature. With no text-book which the children could use without injury to their already defective eyesight, with pupils representing many grades and many stages of advancement, the teacher must prepare each day, outside of school hours, for each child and in every subject, enough written text to supply his recitation and his study period for the following day. This work must be carefully written in letters large enough and dark enough to be read by pupils with defective eyesight and must serve as models for the pupils' work. The enrollment of one more pupil would involve the preparation of the work of an entire grade. Under these conditions it became necessary to employ an additional teacher when the number of pupils exceeded ten. But the preparation of the daily work of even ten pupils, particularly if some are in grammar grades, calls for an expenditure of time and energy which is a serious drain upon the teacher and cannot fail to lessen the quality of her class room work.

In our class this problem was met to a large extent by the preparation of a course of study which would include the minimum essentials needed in adult life and this was printed in large type upon paper of suitable color and texture. The details of type, paper, and other features of the work which should be referred to the specialist were submitted to expert opinion before being adopted for the pupils' use. This printed material furnished a brief text-book in each subject and left the teacher free to devote her energies to teaching.

Another problem confronting the teacher was the unremitting demands made upon her by the fact that she must remain with her pupils during the noon intermission since many of the children came from distant parts of the city and must bring their lunches. The teacher in our class has been quick to recognize the opportunity this furnishes for social work with her pupils, including instruction in manners, hygiene, and domestic training, and the lunch hour has become one of the most profitable and enjoyable of the day. At a slight cost borne by the home,—six cents per week per child—hot cocoa is made each day by the pupils, the equipment and fuel being furnished by the department; each child provides his cup, spoon, plate, etc., and the tables are set, the dishes washed and put away, the towels rinsed out and hung to dry, the evidences of the meal removed and schoolroom orderliness restored. This work is all done by the pupils, each being assigned some work and taught to do it properly. Instead of excusing lack of neatness, cleanliness, and orderliness because of defective sight, an effort is made to cultivate a sensitiveness toward having things *feel* clean and orderly.

In addition to the usual problems of an ungraded school the teacher of this class must meet the problem of the child's physical defect which demands not only individual instruction but special adaptation of this instruction to each pupil's present condition and probable future needs. This requires good judgment in the rigid elimination of non-essentials, in the conservation of the child's health and eyesight, and in

estimating the amount of pressure which should be brought to bear upon the child's mental powers.

Much thought has been given to meeting these problems. The enrollment has been limited to twenty pupils from the first five grades in the elementary course, since the greater number of cases of defective eyesight were found in these grades, each half-grade being represented. With classes in each half-grade the addition of one or more pupils within these limits does not add materially to the teacher's work as the printed text relieves her of the preparation of individual work. In grades above this limit the child with defective vision can learn much from the oral recitations of his classmates and his written work may be done at the blackboard. The wide range covered by the work in the higher grades makes it difficult to furnish the child with all the material needed for independent study.

One of the essential qualifications for the teacher of a class of this type is training in giving individual instruction combined with training in handling a class. It is fortunate that for years the teachers in the primary grades in this city have been working along the line of individual attention for each pupil in a class of fifty children. This has provided us with teachers whose skill furnishes one of the qualifications necessary for the welfare of the child in the special class.

Each official connected with our special classes has felt the responsibility resting upon the department not only to avoid increasing the child's handicap but to safeguard him in every possible way from other results which neglect would entail. The progress of the children in the class for the conservation of eyesight has been marked, and the equipment and instruction have been endorsed by the school officials of other cities and by agents of the Massachusetts Commission for the Blind.

Respectfully submitted,

JOSEPHINE B. STUART.

Report of the Principal of the High School.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—I respectfully submit, in accordance with your suggestion, a very brief report of the New Bedford High School for the past year.

This is my seventh annual report. In the preceding six reports I gave each year complete sets of statistics concerning the growth of the high school and its various activities and organizations. This year the high school has experienced the same remarkable growth which it has experienced during the past six years. It is now the most rapidly growing high school in Massachusetts.

The increase during the past six years was greater than it was during the preceding sixty years. Various hypotheses have been advanced to explain this exceptional growth. The commonly accepted explanation is that the growth is caused by the rapid increase in the population of the city. The facts, however, do not agree with this explanation; for the population of the city of New Bedford in 1910 was 96,652, and in 1916 it was 115,000, an increase in population of 19 per cent. The enrollment in the high school for 1910 was 541, and for 1916, 1228, an increase of 127 per cent.

Whatever the cause of the growth really is the indications are that the high school will continue to grow. I call special attention to this again because our most pressing need now is more room. I trust, therefore, that the plans under consideration by the School Committee for providing additional building accommodations will progress rapidly until the congestion of our building shall be relieved.

Notwithstanding the rapid growth and the congestion of our building, we have endeavored to maintain the highest standard of scholarship in every course taught in the school. We have also tried to conduct the school with the greatest efficiency and economy, so as to give the city full value for the money it spends in maintaining the school.

The various school organizations have been busy during the year in all school activities giving the pupils and public many opportunities for social enjoyment and literary and musical entertainment. We have now the following organizations and societies in the high school: first and second Orchestras, Band, Boys' Glee Club, Girls' Glee Club, Cadets, Rifle Club, Debating Society, Literary Society, school paper "The Alpha", Bird Club, Football, Baseball, Track, Boys' and Girls' Basketball, Boys' and Girls' Tennis teams. These organizations offer so many opportunities for culture and recreation that it has become necessary to limit the number of events each organization may give during the year. This is done so that school activities will not interfere with the regular work of the school. Between the regular work and the school activities the school building is in almost constant use.

The following are the statistics for the year:

	Commercial Courses			General Courses			Technical Courses			College Courses			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
8	17	36	53	1	29	30	14	1	15	14	27	41	46	93	139*
7	14	21	35	0	20	20	13	0	13	12	18	30	39	59	98
6	10	29	39	1	20	21	13	0	13	15	14	29	39	63	102
5	12	34	46	1	21	22	16	0	16	21	25	46	50	80	130
4	55	37	72	1	39	40	21	0	21	29	25	54	86	101	187
3	38	30	68	0	27	27	16	0	16	27	19	46	81	76	157
2	38	36	74	1	34	35	50	0	50	29	24	53	118	94	212
1	57	58	115	4	36	40	29	0	29	32	31	63	122	125	247
	221	281	502	9	226	235	172	1	173	179	183	362	581	691	1272*

*Including the class which graduated in February

Total registration by courses was:

Post-Graduate	1
Post-Graduates (Feb.-June)	20
Commercial Courses	502
General Courses	235
Technical Courses	173
College Courses	362

GRADUATES, 1916.

FEBRUARY.

	Boys	Girls	Total
College Preparatory Course,	5	9	14
Scientific Course,	5	1	6
General Course,	1	8	9
Commercial Course,	5	12	17
Partial pupils (Certificates),	2	6	8
	18	36	54

JUNE.

College Preparatory Course,	7	13	20
Scientific Course,	8	0	8
General Course,	0	17	17
Commercial Course,	9	20	29
Partial pupils (Certificates),	5	10	15
	29	60	89

NUMBER OF PUPILS WHO HAVE LEFT THE HIGH SCHOOL DURING THE SCHOOL YEAR 1915-1916.

	Boys	Girls	Total
8's	0	0	0
7's	1	4	5
6's	3	4	7
5's	7	7	14
4's	20	18	38
3's	26	15	41
2's	13	14	27
1's	24	27	51
	94	89	183

CAUSES FOR LEAVING.

	Boys	Girls	Total
Illness,	7	35	42
Needed at home,	0	3	3
Neglect of school work,	16	4	20
Trouble at school,	8	4	12
Went to work,	54	36	90
Moved from city,	4	3	7
Went to other schools,	4	1	5
Causes unknown,	1	3	4
	94	89	183

GRADUATES ENTERING HIGHER INSTITUTIONS.

	Boys	Girls	Total
Boston University,	1		1
Brown University,	3	1	4
Bates College,	1		1
Dartmouth College,	3		3
Harvard University,	3		3
Massachusetts Institute of Technology,	3		3
New York University,	1		1
Norwich University,	1		1
College of the City of New York,	1		1
Smith College,		2	2
Bridgewater Normal School,		23	23
Fitchburg Normal School,		1	1
Salem Normal School,		1	1
Boston School of Physical Education,		1	1
New England Conservatory of Music,		2	2
	17	31	48

Respectfully submitted,

G. WALTER WILLIAMS.

Evening High School.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:— I respectfully submit the following report of the Evening High School for the year 1915-1916:

The school opened on the evening of October 4 and continued the customary twenty weeks, closing on the evening of March 11. During the Christmas recess the school was not in session for a period of three weeks. Such a long recess is somewhat detrimental to the work of the school, but so many of the evening school pupils work in the stores of the city, that are open for the two weeks preceding Christmas, that it is seemingly better to close the schools these two weeks than to deprive them of the opportunity to attend because of their enforced absence. The arrangement of the high school vacation prevents the Evening High School from opening until one week after Christmas. I foresee a still worse condition next session, for the entire two weeks' vacation of the day schools follows Christmas, forcing the Evening High School to a four weeks recess. This breaks into the work of the school rather badly, but to obviate it by keeping open a week longer before Christmas would necessitate depriving many of our best pupils of a week's instruction.

The total enrollment, 506, was somewhat smaller than the preceding year, but was larger than any other year in the history of the school. The average attendance for the year was 255.5 and the per cent of attendance 75.9, which was very good for a public evening school. There are always a large

number of pupils enrolling in the Evening High School who seem to think that an education in commercial subjects can be acquired much in the same manner as a coat. These pupils soon see their mistake amd many of them leave the school. The large difference between the total enrollment and the average attendance is principally due to this type of pupil. The other pupils get down to business and constitute the backbone of the school. They are regular in their attendance and get a large amount of value for their investment of time and effort. As the records show, we have had over two hundred such pupils this past year and to them the school has certainly been worth while. The male sex continues to predominate: the enrollment showing 269 males and 237 females.

The usual classes in Bookkeeping, Stenography, Typewriting, Penmanship, Arithmetic, Civil Service and Mathematics were conducted. In addition to this work several special students were instructed in the subject of Accounting, the instruction being given in conjunction with the work in advanced bookkeeping. The results accomplished were so satisfactory that I recommend a regular class in this subject be organized for the next session of the school.

While the attendance did not establish any new record, I feel that the past year has in every way been a successful one for the school. After all, it is the quality of the work accomplished that is the measure of success and I know the Evening High School has been successful from this point of view.

Respectfully submitted,

A. R. DORMAN.

Report of the Supervisor of Drawing.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—The appointment of another assistant in the drawing department renders it possible for the special teachers to make more frequent visits to classes and thus to give more aid in teaching.

During the past year some emphasis has been placed upon drawing at the blackboard by pupils, using it as a means of developing a subject and as a corrective of small work which sometimes results from continued working at the desk. Such drawing appeals to the pupils, who learn by observing one anothers' mistakes and successes and there has been a distinct gain in freedom of line and in seeing. Visitors to Buttonwood Park last autumn were interested to see grammar school pupils with drawing boards and crayons sketching trees in their autumnal color. The class enjoyed the outdoor study from nature, a wholesome change from the routine of the schoolroom, and while work of this kind is not feasible in schools surrounded by buildings in city streets it has been found quite practicable for those within sight of trees and fields.

Early in the year an exhibition of pupils' work illustrating the course of study from the primary through the High School was sent to the annual meeting of the Eastern Arts and Manual Training Teachers' Association held in Springfield. A request for the loan of this work was received from a southern university.

The mimeograph recently purchased for the department has proved valuable in reproducing drawings and patterns for teachers' use in presenting work to their classes and will develop into still greater service. One of our difficulties is to find means for placing in the hands of pupils sufficient examples of good work for study and emulation. Teachers are urged to collect good examples of pictorial and working drawings and of harmonious color which may be mounted in a suitable way and used for students' assistance. In the High School some interesting work has been done in commercial design. It is worth while to know how to plan a good advertisement or poster and well proportioned letters, good arrangement and spacing, proper emphasis and attractive illustration. There is a profitable field open to the commercial designer.

One of our large cities recently announced as matter for congratulation that arrangement has been made whereby deserving pupils of the eighth grade and High School are awarded free scholarships in the Saturday morning classes of the local School of Design. Through the co-operation of the Swain Free School of Design New Bedford schools already enjoy similar advantages. Students of special ablity have opportunities to develop their powers and, if they wish, to carry on their artistic studies along professional lines.

We need artistic workers in the development of a growing city, and quite as essential are appreciators. Art education in the public schools aims to assist in developing both.

Respectfully submitted,

LUCY C. BEDLOW.

Report of the Supervisor of Music.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—I herewith submit my report of the Supervisor of Music for the year 1916. During the first part of this year the work in this department was about the same as that of preceding terms. The number of daily lessons given in the schoolrooms was so great that it was necessary for the supervisor to give every minute of school time to actual teaching and consequently there was no time to spend in general oversight of the whole system. The extra concert work required of this department was also always at the expense of the regular routine. In September, however, the teaching force of this department was increased by the appointment of an additional assistant, Miss Mildred L. Bailey, who came to this city with some valuable experience in nearby schools. This made it possible to establish districts for the assistants, Miss Halstead going to the northern part of the city, while Miss Bailey was assigned to the southern part. The routine schedule of the supervisor was also greatly lightened, making it possible for him to visit schools where previously he had very little personal knowledge of the work. We have also extended the services of the assistants to the special and ungraded classes. While this program seems to be much easier for this department still it should be stated that the number of rooms visited each month by each of the assistants is larger than in the year preceding, for we have made a still furthur important change, and now visit all rooms once in three weeks instead of once in four as formerly.

For the first time in my service in this city I am able to report personally regarding the work in the lower grades. It gives me pleasure to say that this is being carried on according to the methods acknowledged by the authorities in school music to be the best, and the results are of a very high standard. The trained visitors from other cities who have heard this work speak in very favorable terms of our music. It is still too early to make definite statements regarding the success of our visits to the ungraded and special rooms, but if the attitude of the teachers and children in these rooms toward singing is any indication, then it is proving a decided success.

The eighth grades are visited each alternate week and the plan of having regular chorus work, begun about a year ago, is still in operation. I am sure that this has brought about a great improvement in the singing of the boys and girls in circles outside of school affairs. As so many of our children have no further musical training, it seems very desirable that the last year of their school life should approach the conditions found in the music of adults. It is unfortunate that we are confined in our work to the single music book still in use in the four higher grades, and that we are limited in the choice of our selections for concerts to the songs sung repeatedly for several years. Until more song material is furnished the upper grades cannot do the best work of which they are capable.

In the High School the work is increasing greatly. Three years ago the number of minutes given in this school to music was less than one hour per week, and the number of pupils singing less than one hundred, while at the present time the supervisor is engaged five school periods each week in actual teaching, and the number of singers is over six hundred. The ever increasing number of those who elect the study of music and the voluntary work done weekly by the members of the glee clubs, shows a great improvement among high school pupils in their attitude towards music. During the year a number of new selections were added to our library and the disheartening repetition of songs has been nearly eliminated.

I hope the policy of adding a substantial amount to our list of music material will be continued. To what extent the supervisor of music is responsible for the assembly singing of the school, where more than one half of those taking part are not under his direction at any time is a fair question. It is certain, however, that until each pupil has a copy of the hymns being used and the school lead in the manner usual in such circumstances, the singing will be far from satisfactory, and the inspiration which ought to be derived from taking an active part in this portion of the exercises lacking. The New Bedford High School is still behind other schools of similar size and standing in what it offers in general musical instruction, and I would again urge, as in my report of last year, that courses in Musical Appreciation, Theory and Harmony be added to its curriculum under conditions similar to those found in other high schools.

While the mechanical musical instrument is being urged as a valuable adjunct to school music by the manufacturers, little can be said at the present time regarding its definite place in what is strictly called school musical instruction. Our time alloted to music, some what less than is the general practice throughout the country, is barely sufficient to cover the regular outline and to take much time from the actual practice in singing for hearing the music of others would be in our opinion a serious mistake. However there is no doubt that a judicious use for this purpose may be of material benefit, and that the use of these machines for marching, for calisthenics and for cultural purposes is a decided success. Every school in the city, except the High School is now provided with one or more talking machines, and their use quite general. In addition to the records owned by the schools and loaned by the teachers from their homes, the school department has established a fair sized collection of records which are furnished to the schools in a manner similar to public library books. This collection is being enlarged from time to time and your supervisor is giving very careful attention to

the proper selection of records for the several purposes above mentioned.

It is evident to us from daily contact with many people both those professing musical training, and those who do not, that there seems to be a general misunderstanding as to the general scope and purpose of music instruction in the schools. The child found occasionally with unusual natural ability or with parents able to afford private teachers, does not indicate in any way the general work in the schools. Neither the school department which does not contribute toward the expense, or recognize officially the study with these private instructors, or the school teachers who furnish merely the opportunity for public appearance should be credited with the progress made by such children. The music supervisor in this city does not believe that the exceptional child should be the standard of progress in the schools, but rather the every day work done in the classroom by all the children. This has been stated concisely by one of the leaders in this line of school activity in these words, "The object of musical instruction in public schools is not to make musicians of the students, but rather to fit music into their normal, general life, where its artistic leaven may work towards higher elevation." With this thought in mind I would urge, through you, that those who could be in a position to speak intelligently of school music visit any of the buildings and hear the class work themselves.

Respectfully submitted,

HARRY E. WHITTEMORE.

Report of Playground Supervisor.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—I herewith submit the report of the Supervisor of Playgrounds for the season of 1916.

The sessions opened July 10 and continued until August 25—a period of seven weeks.

The general work of the playgrounds was very similar to that of the preceding year. It consisted of organized play for the smaller children; games, folk-dancing and sports for the older girls; games and athletics for the boys. On five of the playgrounds the older girls were interested in special dancing classes and exhibited their skill at the field-day exercises. Three playgrounds had special classes in raffia work, all the classes being well attended and accomplishing good results.

The athletic meets are attracting the boys and girls more and more each year, this year's meets having been especially well attended. Some very good records have been made, but more satisfactory is the fact that the boys and girls are getting instruction that will help to make them better physical men and women.

The teaching corps has never been stronger than this year. The entire force has given a good account of itself. No complaints as to the conduct of the grounds have been received and no serious accidents have occured on any of the grounds.

The attendance has not been as large as in some preceding years, but I believe that this is due to the infantile paralysis scare, which has led many parents to keep their children away

from the playgrounds, and to the fact that during the first two weeks of the session there was an unusual amount of inclement weather. The average daily attendance of children fourteen years of age and under for the entire eight playgrounds was 489.6 boys and 442.4 girls—a total of 932 children attending the playgrounds of the city each day of the session. Following is a table showing the average daily attendance at each playground:

Playground	Boys	Girls	Total
Ingraham,	56.	75.5	131.5
Hathaway,	81.5	48.7	130.2
Lincoln,	64.6	56.5	121.1
Congdon,	61.3	56.8	118.1
Knowlton,	63.5	52.7	116.2
Kempton,	57.3	50.	107.3
Donaghy,	54.5	50.	104.5
Cedar Grove St.,	51.2	52.5	103.7

The annual field-day was held at Buttonwood Park, Friday, August 25. There was an approximate attendance of one thousand children and if appearances are to be judged, they certainly had an enjoyable time. The park authorities co-operated with the teachers in every possible manner and the thanks of the corps is extended to them. While there was considerable chance taken in designating the last day of the session as field-day, it was the only day the Union Street Railway could give us the requisite number of cars. Fortunately the weather was propitious and it was not necessary to resort to any alternative of postponement or cancellation.

Following is the program for the field-day.

MORNING.

Boys' 75 yd. Dash
Girls' 50 yd. Dash
Boys' Potato Race
Girls' Relay Race

Boys' High Jump
Girls' Baseball Throw
Boys' Standing Three Jumps
Boys' Running Broad Jump

AFTERNOON.

1. General Exercise for all Playgrounds.
   Dancing.
   Irish Lilt, Congdon Playground.
   Swedish Schottische, Lincoln Playground.
   Sailors' Hornpipe, Knowlton Playground.
   Swedish Clap Dance, Hathaway Playground.
   Star Maid, Donaghy Playground.

   Children's Dances for all Playgrounds.
   Yankee Doodle
   Caroselle
   High Diddle Diddle
   Vineyard Dance

2. Championship Newcombe Game.
   Lincoln (north) vs. Congdon (south)

3. Championship Baseball Games.
   First Teams.
   Lincoln (north) vs. Hathaway (south)
   Second Teams.
   Cedar Grove (north) vs. Donaghy (south)

Winners.

Athletics—Hathaway Playground.
Newcombe—Congdon Playground.
Baseball—First Teams—Lincoln Playground.
Second Teams—Donaghy Playground.

Again I wish to thank Mr. Keith and Mr. Ferguson, Inspector of School Property, for their kindly assistance and advice.

Respectfully submitted,

ALLISON R. DORMAN.

Report of School Nurses.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—The report of the nurse for the centre schools for the past year is as follows:

Number of visits to the schools,	440
Number of visits to the homes,	865
Number of cases of defective eyes,	150
Number of cases of tonsils and adenoids,	261
Number of cases of otitis media,	13
Number of cases of conjunctivitis	9
Number of cases of ringworm,	7
Number of cases of anaemia,	17
Number of cases of psoriasia,	1
Number of cases of tinea,	4
Number of cases of tuberculosis,	3
Tubercular hip,	1
Club foot,	1

The number of cases receiving special medical attention for defective eyes, adenoids, tonsils and hearing are:

Defective vision,	130
Adenoids, tonsils and hearing,	149

The tubercular hip and club foot cases are now patients at St. Luke's Hospital.

The eye conservation class, which I am glad to have in my district, is appreciated and doing splendid work. Let us hope we may have more of the kind. At the centre is needed a general medical, surgical and dental clinic, and a fresh air class.

I wish to extend my appreciation to the Superintendent, Principals, Teachers and the Clinic for their kindly co-operation.

Respectfully submitted,

FLORENCE RICKETSON, R. N.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—The report of the school nurse for the north end schools the past year is as follows:

Number of visits to schools,	343
Number of visits to homes,	823
Number of cases of defective vision,	166
Number of cases defective teeth,	327
Number of cases defective hearing,	38
Number of cases adenoids and tonsils,	165
Total number of cases cared for not including above,	435

A large number of these cases are attended to in the schools by dressings and other treatments.

The Clinic opened by the Children's Aid Society, at the H. M. Knowlton School, has already proven its helpfulness not only to children of school age but to those younger in the family who need care and medical advice.

A large number of cases have been treated at this clinic and results are very gratifying.

The dental clinic is still fulfilling its mission to general good health by its care of the teeth, and although 327 cases have been attended to, as many more could be found waiting if the clinic were open all day.

There have been 89 cases of defective vision treated, and glasses provided if needed, and 51 cases of adenoids and tonsils operated upon.

I wish to extend my thanks to the charity organizations, principals, teachers and all others to whom I am indebted for kindly co-operation.

Respectfully submitted,

MARGARET J. DIAZ, R. N.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

Dear Sir:—The report of the school nurse of the south end schools is as follows:

Number of visits to schools,	379
Number of visits to homes,	931
Number of cases of defective vision,	186
Number of cases of defective hearing,	20
Adenoids and tonsils cases,	259
Number of cases operated upon,	117
Glasses provided for children,	105
Other defective eye cases that received attention,	35
Tubercular tendencies,	23

The children with tubercular tendencies are being treated regularly at the tuberculosis clinic.

All the children attending the Fresh Air Class, with one exception, have shown marked improvement.

I wish to express my appreciation for the hearty co-operation of the Superintendent, Principals, and Teachers, also to the Charity Organizations, Children's Aid Society, City Mission and several private charities.

Respectfully submitted,

M. THERESA McGRATH, R. N.

INDEX TO REPORT OF SECRETARY.

Calendar, 1917 22

Description of schoolhouses 19

Financial Statement:

- Cost by departments 10-11-12
- Receipts and expenditures 6-7
- Statement of supplies 13
- Table of expenditures 8-9
- Per pupil:
  - Cost by departments 10-11-12
  - Cost for books and supplies 14
  - Total cost 5

Graduates, number of 18

In Memoriam 31

Office of Superintendent of Schools 23

Statistics:

- Age and schooling certificates issued 16
- Average ages in grades 15
- Rates of tuition 20
- Report of attendance officers 17
- Reports of promotions 29-30
- Salary schedule 20-21
- School Board, Organization of 24
- Table of children in grades 28
- Teachers and janitors in service 25

Teachers-Appointments and resignations 26-27

INDEX TO REPORT OF SUPERINTENDENT OF SCHOOLS.

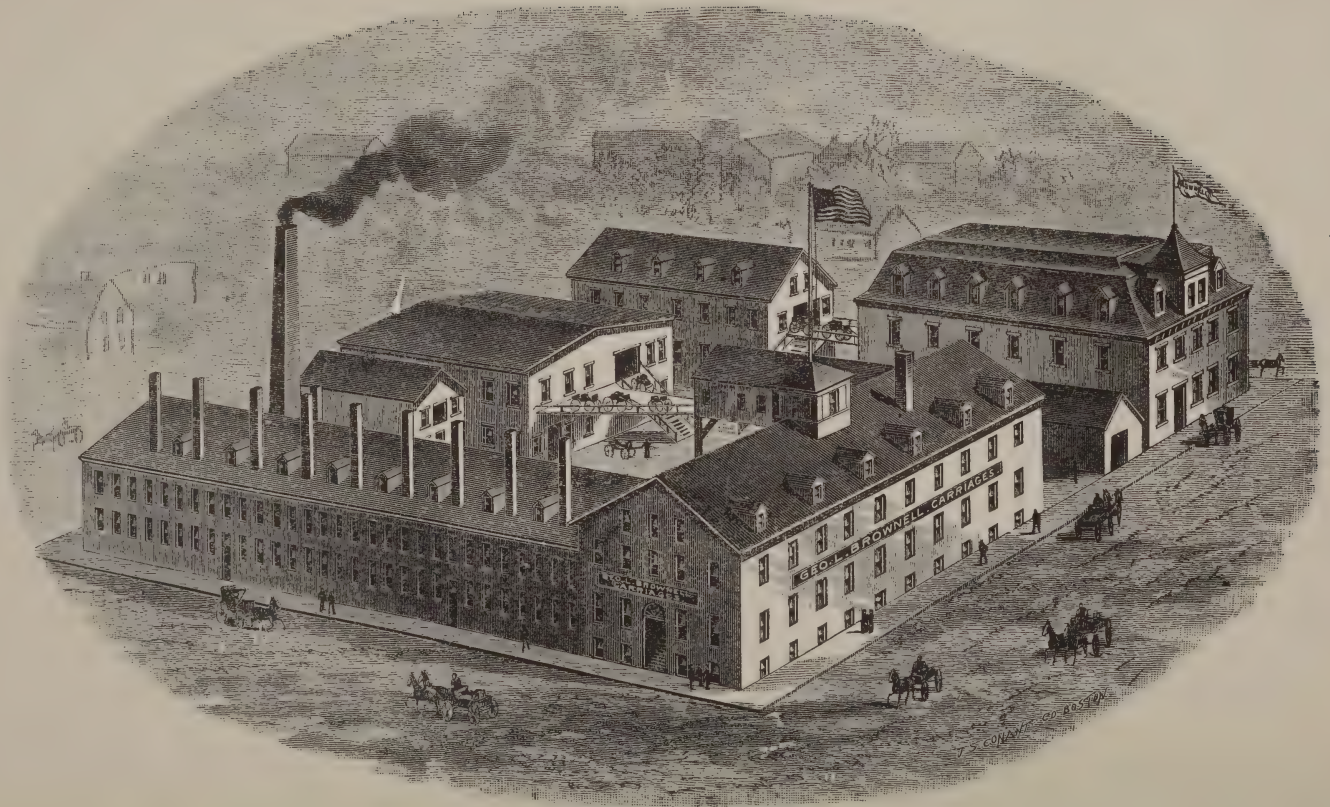
Report of Superintendent 32-38

Assistant Superintendent of Schools 39-42

Supervisor of Drawing 50-51
" " Music 52-55
" " Playgrounds..... 56-58

Principal of High School 43-47
" " Evening High School..... 48-49

School Nurses 59-61



Plant of New Bedford Industrial School.

ANNUAL REPORT OF THE BOARD OF TRUSTEES

OF THE

NEW BEDFORD INDEPENDENT INDUSTRIAL SCHOOL

FOR THE YEAR 1915 - 1916

NEW BEDFORD, MASS.
A. E. COFFIN PRESS, Printers
1917

BOARD OF TRUSTEES

Edgar B. Hammond, *Chairman*
Allen P. Keith, *Secretary*

Term Expires February, 1917

Dr. Anna W. Croacher
Robert L. Baylies
Patrick Sweeney

Term Expires February, 1918

Frank S. Tripp
Napoleon Beaulieu
William S. Davenport

Term Expires February, 1919

Edgar B. Hammond
Calvin T. Bosworth
Mrs. Caroline H. Wilson

DEPARTMENT ADVISORS

Machine Department

William S. Davenport
Frank S. Tripp

Carpentry Department

Zebina B. Davis
George H. Sistare

Power Department

Leonard Kleeb, Jr.
Frank W. Hatch

Electrical Department

David W. Beaman
William P. Briggs

General Vocational Subjects

George H. Tripp

Homemaking Department

Mrs. Frederick E. Allen
Mrs. James L. Hathaway
George R. Cherry
Miss Susan Emmott
Miss Celeste Thornton
Michael J. Leahy

COPY OF CITY ORDINANCE ESTABLISHING NEW BEDFORD INDUSTRIAL SCHOOL

"ORDERED:—That an independent industrial school be and is hereby established, to be in charge of a Board of Trustees to be elected by the School Committee, who shall provide and maintain such school for the instruction in the principles of agriculture and the domestic and mechanic arts, as permitted in Chapter 505 of the Acts of 1906, as supplemented by Chapter 572 of the Acts of 1908, and for evening courses in such subjects for the benefit of persons already employed in trade; and if deemed expedient by the said Trustees, for the instruction in part-time classes of children between the ages of fourteen and eighteen years who may be employed during the remainder of the day.

Such school shall be approved by the Commission on Industrial Education of the Commonwealth as to location, courses, and methods of instruction, before any money appropriated by the city for the maintenance of said school shall be expended, and all appropriations shall be expended with the approval of said Commission.

And the said Board of Trustees shall so conduct said school and do all things that may be necessary to entitle the city to be reimbursed by the Commonwealth the proportion of expense so incurred in the manner and amount provided by law."

October 22, 1908. Adopted in concurrence.

October 23, 1908. Presented to and approved by the Mayor.

A true copy, attest:

(Signed) DANIEL B. LEONARD,
City Clerk.

LAWS RELATING TO STATE-AIDED VOCATIONAL EDUCATION

AN ACT TO CODIFY AND AMEND THE LAWS RELATING TO STATE-AIDED VOCATIONAL EDUCATION

Chapter 471, Acts of 1911, provides as follows:—

SECTION 1 (Paragraph 6). "Evening class" in an industrial, agricultural or household arts school shall mean a class giving such training as can be taken by persons already employed during the working day, and which, in order to be called vocational, must in its instruction deal with the subject-matter of the day employment, and be so carried on as to relate to the day employment.

SECTION 3. In order that instruction in the principles and the practice of the arts may go on together, independent industrial, agricultural and household arts schools may offer instruction in day, part-time and evening classes. Attendance upon such day or part-time classes shall be restricted to those over fourteen and under twenty-five years of age; and upon such evening classes, to those over seventeen years of age.

(CHAP. 106.)

AN ACT TO PROVIDE FOR THE ESTABLISHMENT AND MAINTENANCE OF EVENING CLASSES IN THE PRACTICAL ARTS FOR WOMEN

Be it enacted, etc., as follows:—

Any city or town may, through its school committee or other board of trustees for vocational education, establish and maintain separate evening classes in household and other practical arts. Such classes shall be known as practical art classes, shall be open to all women over seventeen years of age who are employed in any capacity during the day, and may be established and maintained as approved state-aided practical art classes under the provisions of and subject to all the conditions not inconsistent with this act, of chapter four hundred and seventy-one of the acts of the year nineteen hundred and eleven. (Approved February 16, 1912.)

FACULTY.

Arthur S. Allen, Director.
Russell B. Leonard, Head of Related Work.
G. Tappan Little, Instructor of Related Work.
Pauline C. Clarke, Clerk.

Machine Department

George W. G. Poole, Head of Department.

Instructors:

W. A. Pittendreigh — Nelson C. Morse

Special Evening Instructors:

Albert E. Salter, — Edward A. Chamberlain,
Charles A. Wolfe, — Ray E. Gifford.

Carpentry Department

Oliver H. Gardner, Head of Department.

Instructors:

Charles A. Wilson, — E. M. McCracken

Power Department

H. Percy Arnold, Head of Department.

Instructors:

Clarence N. Potter, — Charles A. Foley

Special Evening Instructors:

Charles I. Travers, — Sylvanus Maker
Benjamin P. Pease.

Electrical Department

Ernest F. Lawrence, Head of Department.

Instructor:
Bradbury S. O'Donnell.

Special Evening Instructor:
William G. Ashley.

Special Evening Instructor in Paperhanging, Audell H. Monk
Special Evening Instructor in Plumbing, James F. Murphy

Homemaking Department

Elizabeth C. Jenkins, Head of Department.

Instructors:

Sewing.	Millinery and Design.	Cooking.
Anita Jennings,	Jessie S. Weaver.	Mildred G. Horne,
Mrs. Nellie F. Dunn		Mae F. Chandler.

Part-Time Instructors

Millinery.
Mrs. Lillian M. Browning

Physical Training	Hygiene.
Elva M. Parker	Florence Ricketson

Special Evening Instructors

Sewing:

Mary P. McCarthy	Mary E. Hughes
Nora Dehoney	Katherine V. Riley
Mary J. Halloran	Margaret Chadwick
Elizabeth Ennis	Katherine D. Duffy
Bessie Ennis	Margaret S. Keavy
Mary E. Furlong	Mary L. Doherty
Helena A. Whelan	Kathryn R. Harrington

Mary H. Glasgow

Millinery:

Mary E. Furlong	Rachel Berry
Margaret V. Smith	Lillian M. Browning

Helena Gleason

Cooking:

Mrs. Alfred S. Dunham	Ardra Delano

Mrs. Francisca Burt

CALENDAR

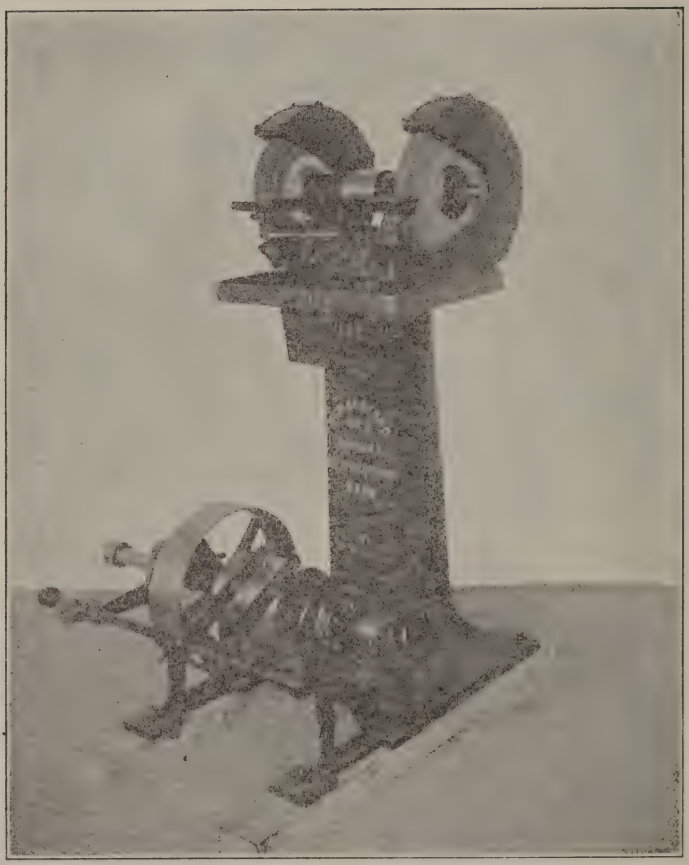
1916		1917
Feb. 7	Second Term Begins	Feb. 5
Feb. 22	Washington's Birthday, a Holiday	Feb. 22
April 14-23	Spring Recess	Mar. 30-April 7
April 24	School Re-opens	April 8
April 19	Patriots' Day, a Holiday	April 19
May 30	Memorial Day, a Holiday	May 30
June 30	School Closes	June 29
Sept. 6	Beginning of School Year	Sept. 5
Oct. 12	Columbus Day, a Holiday	Oct. 12
Nov. 29-Dec. 3	Thanksgiving Recess	Nov. 28-Dec. 2
Dec. 4	School Re-opens	Dec. 3
Dec. 22-Jan. 7	Christmas Recess	Dec. 21-Jan. 6
1917		1918
Jan. 8	School Re-opens	Jan. 7

Sessions are from 8:30 a. m. to 12 m., and from 1:15 p. m. to 4:15 p. m. There are no sessions on Saturday.

The office telephone calls of the school are Bell 2424, Automatic 1149; the shop telephone is Bell 573.

ENROLLMENT DECEMBER 1, 1916

Boys' Day School—full-time pupils	88
Boys' Day School—part-time pupils	16
Girls' Day School—full-time pupils	39
Girls' Day School—part-time pupils	71
Men's Evening School pupils	199
Women's Evening School pupils	344
	757



NEW GRINDER.

Designed and built by the school as a standard product.
(Three sold to the Continental Wood Screw Co.)

THE MACHINE DEPARTMENT

The Machine Department is on the lower floor of the building on Cannon street. The main room is 30x127 feet, with tool room in an ell on the south side, 18½x20 feet, and has store rooms, lavatories, toilets, and locker rooms connected, in the basement under the Administration Building. The equipment includes:

Fosdick 12 ft. horizontal boring mill.
8 ft. Gray planer.
5 ft. Gray planer.
18 inch. Eberhardt friction shaper
14 in. Hendey friction shaper.
No. 2 Morse universal grinder.
No. 2 Brown & Sharpe surface grinder.
No. 1 Cincinnati cutter grinder.
New Yankee drill grinder.
Hisey-Wolfe grinder.
No. 2 Brown & Sharpe universal miller with vertical, circular and slotting attachments.
No. 1½ B Milwaukee plain miller.
No. 1 Brown & Sharpe universal miller.
Small plain miller.
No. 2 Warner & Swasey screw machine.
D. E. Whiton centering machine.
1 Arbor press.
16 in. Lodge & Shipley engine lathe.
14 in. Fay & Scott gap engine lathe.
14 in. Hendey engine lathe, taper attachment.
12 in. Mann engine lathe.
12 in. Davis engine lathe.
14 in. Blaisdell engine lathe.
2 14 in. Putnam engine lathes
1 Lathe & Morse lathe, with Taper attachment.
2 Lathe & Morse lathes.
14 in. Reed lathe, taper attachment.
14 in. Prentiss lathe.
10 in. Pratt & Whitney lathe.
9 in. Stark bench lathes.
14 in. speed lathe.
20 in. Snyder upright drill.
N. B. I. S. upright drill.
Barre sensitive drill.
N. B. I. S. sensitive drill.
Springfield wet grinder.
Small grinder.
Power hack saw.
Forge.
Portable electric drill.

There are small tools to the value of $1,500 which are loaned to students in the shop as soon as they learn the use and care of them. In all classes the pupils are taught to appreciate good tools, and in the advanced classes are assisted in the purchase of them.

The aim in this department is to give solid all round trade training to the boy who can complete the full course. The instruction is so arranged, however, that if only a part of the course can be completed, training on definite lines and for efficiency in the operation and care of one type of machine can be assured.

INVENTORY

Equipment:	Dec. 1, 1915	Dec. 1, 1916
Machinery	$12,558.78	$13,032.79
Furniture, apparatus and tools	3,716.26	4,227.10
Maintenance:		
Shop material and supplies	1,068.19	1,427.06
	$17,343.23	$18,686.95

Cash received from work and products	$812.78
Credits given on work and products	5,196.60
Value of equipment received in exchange for work and products	49.47

The evening school classes for machinists offer shop instruction in the operation of standard machines, and machine tools; operation and repair of gasolene engines, repairing of automobiles, also instruction in machine drawing and mathematics for machinists.

By the state law, all evening instruction in this school must be in trade extension courses, and can be taken by those men over 17 years of age who are employed during the day in the occupation for which they desire instruction.

The Board of Trustees requires that each man enrolled in the evening classes deposit $1.00 as a guarantee of regular attendance, the same to be returned if he attends 80% of the sessions remaining after his enrollment.

COURSE OF STUDY, MACHINE DEPARTMENT

SUBJECTS	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
	1st HALF	2nd HALF	1st HALF	2nd HALF	1st HALF	2nd HALF	1st HALF	2nd HALF
SHOP WORK	Progresses from Elementary to Difficult, the rate of Progress Depending on the Boy's Ability							
TIME	84%	84%	69%	69%	71%	71%	71%	71%
MATHEMATICS	Fractions Decimals Based on Jobs in Shop	Mensuration Simple Shop Formulae	Measuring Instruments Formulae	Speeds of Pulleys, Gears, Indexing Levers, etc.	Solution of Right Triangle Algebra—as applied to Shop Formulae		Gearing—Cams Computations for same	
TIME	7%	7%	8%	8%	11%	11%	11%	11%
ENGLISH	Shop Reports Sentence Work Spelling		Shop Reports Composition Work Spelling		General English in Civics and Business Forms			
TIME	5%	5%	5%	5%				
DRAWING	Lettering Shop Sketching Blueprinting		Geometrical Problems Elements of Detailing	Detail of Machine Parts	Detail of More Complicated Machine Parts		Assembly Work Gears—Cams Elements of Design	
TIME	4%	4%	9%	9%	9%	9%	9%	9%
TRADE SCIENCE			Commercial Forming of Metals Foundry Practise		Study of Lubrication & Bearing Materials	Application of Electricity to Machine Work	Strength of Materials Heat—Treatment of Steel	
TIME			5%	5%	5%	5%	5%	5%
CIVICS			Protection—Health and Hygiene—Education—Transportation and Highways—Recreation and Social Welfare—Charities and Correction—General Government Beginning with the Boy's Relation to These Topics and ending with National Organizations					
TIME			4%	4%	2%	2%	2%	2%
BUSINESS FORMS					Letter Writing Simple Accounts	Contracts	Notes Checks Etc.	Partnerships Thrift
TIME					2%	2%	2%	2%

32½ hours per week = 100%

DRAWING ROOM.

Inside finish, desks and lighting, work of the pupils.

CARPENTRY DEPARTMENT

The Carpentry Department is on the second floor of the Cannon Street building and is 30 feet by 127 feet, with tool room in ell on the south side 18½ feet by 20 feet, and locker room and stock room on the third floor. The equipment includes:

One 6-inch 4-sided moulding machine;
One 24-inch surface planer;
One 8-inch buzz planer;
One hollow chisel mortiser;
One double head and cope tenoning machine;
One single spindle shaper;
One 26-inch band saw;
Two 18-inch swing wood lathes;
One 10-inch speed lathe;
Forty-five benches and chests of tools.

The equipment is ample for forty-five pupils, each boy having a bench and set of tools.

Boys who complete the course in this department secure a good apprenticeship training as house carpenters or pattern makers. Boys who can complete only a part of this course are taught the proper care and use of tools, to lay out their work and figure the stock required and to realize the value of personal effort and attainment. A small number of boys are allowed to specialize on Pattern Making, as there is a growing demand for this class of wood workers at this time.

INVENTORY

Equipment:	Dec. 1, 1915	Dec. 1, 1916
Machinery	$1,325.10	$1,325.10
Furniture, apparatus and tools	1,255.57	1,187.56
Maintenance:		
Shop material and supplies	593.79	494.20
	$3,174.46	$3,006.86

Cash received from work and products	$155.21
Credits given on work and products	3,955.19
Value of equipment received in exchange for work and products	117.50

Evening trade extension courses are given in Roof-framing, Stair Building, Pattern Making, General Shop Work, and Shop Drawing for carpenters. Instruction is organized to meet the needs of those men who desire advancement in their trade and who have the ambition and constancy to give regular attendance.

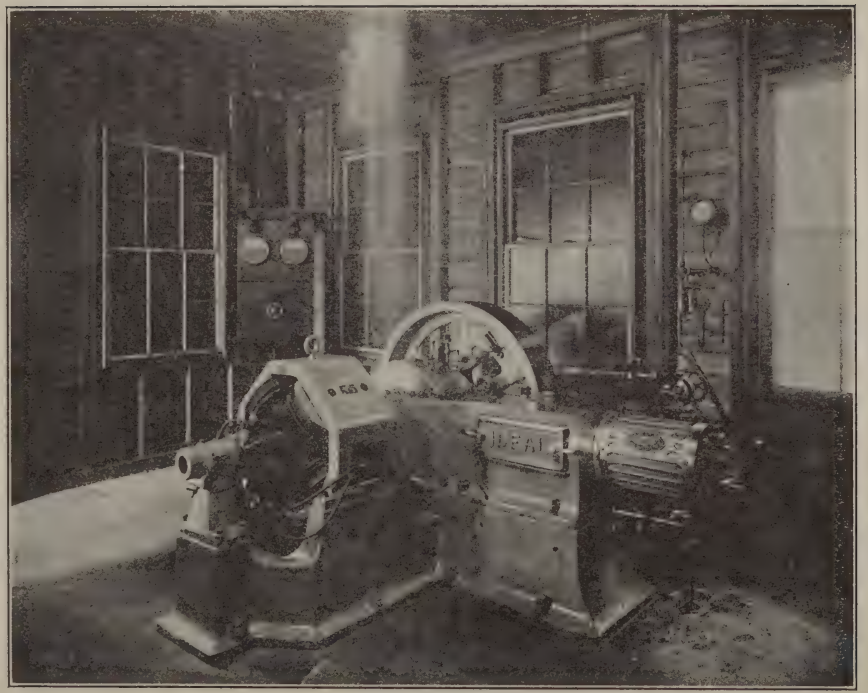
PAPER HANGING

An evening class in Paper Hanging was started this year with Mr. Audell H. Monk, Jr., as instructor and an enrollment of 10 pupils. The attendance and progress of the pupils has been very satisfactory. Very liberal donations of wall paper for the use of this class have been made by the Akin-Denison Company, the Charles F. Wing Co., T. J. Moriarty, and the Star Store.

COURSE OF STUDY, CARPENTRY DEPARTMENT

SUBJECTS	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
	1st HALF	2nd HALF	1st HALF	2nd HALF	1st HALF	2nd HALF	1st HALF	2nd HALF
SHOP WORK	Elementary Shop Work Pattern Making		Advanced Shop Work		Inside Finish Building—Construction Pattern Making		Roof Framing Inside Finish Stair Building	
TIME	84%	84%	69%	69%	73%	73%	73%	73%
MATHEMATICS	Fractions Decimals Based on Jobs in Shop	Board Measure Mensuration	Figuring Material for Houses	Speeds of Pulleys Simple Machines	Simple Equations Shop Formulae	Applied Mechanics	Figuring Sizes of Beams	Use of Tables for Sizes of Beams
TIME	5%	5%	8%	8%	9%	9%	9%	9%
ENGLISH	Shop Reports Sentence Work Spelling		Shop Reports Composition Work Spelling		General English in Civics and Business Forms			
TIME	5%	5%	5%	5%				
DRAWING	Lettering Shop Sketches Blueprinting		Problems and Framing Plans Details of Shop Work		Plan and Elevations of Houses—Details of same		Continuation of Third Year Work	
TIME	4%	4%	9%	9%	9%	9%	9%	9%
TRADE SCIENCE			Study of Woods as adapted to Requirements of Lumber	Building Ordinances	Study of Construction Materials—Testing Materials			
TIME			5%	5%	5%	5%	5%	5%
CIVICS			Protection—Health and Hygiene—Education—Transportation and Highways—Recreation and Social Welfare—Charities and Correction—General Government Beginning with the Boy's Relation to These Topics and ending with National Organizations					
TIME			4%	4%	2%	2%	2%	2%
BUSINESS LAW					Letter Writing Simple Accounts	Contracts	Notes Checks Etc.	Partnerships Thrift
TIME					2%	2%	2%	2%

32½ hours per week = 100%



IDEAL ENGINE.

15 K.W. direct connected D. C. Generator. A part of the Power Department Equipment.

POWER DEPARTMENT

The Power Department has 1826 square feet of floor space on the first floor, divided into engine, boiler, pump, and class rooms; and 1233 square feet of floor space on the second floor, divided into office and class rooms; and locker and stock rooms on the third floor. The equipment includes:

Apparatus in operation and used for instruction:

Vertical fire tube boiler, 90 H. P.
Locomotive boiler, 55 H. P.
Vulcan soot cleaner.
A. & D. steam tube cleaner.
Hancock Inspirator.
Metropolitan Injector.
Dean of Holyoke Duplex Pump and Receiver 4½″ x 2¾″ x 4″.
Locke damper regulator.
Spencer damper regulator.
2 American Steam Gauge & Valve Co.'s Recording Gauges.
National Oil Separator.
Ruggles back pressure valve.
American Heater.
American, Ideal, Squires, 2 Anderson and Farnsworth traps.
Twin tube expansion trap.
Standard coal scales.
15 K. W. Ideal direct connected unit.
Producer Gas Engine, 55 H. P. on producer gas.
Fairbanks gas engine 2 H. P.

Apparatus for instruction only:

Vertical fire tube boiler, 15 H. P.
Sturtevant engine, 10 H. P.
2 vertical slide valve engines, 5 H. P. each.
Watts-Campbell Corliss Engine, 38 H. P.
Case engine.
Knowles Duplex Pump.
Dean, duplex, outside packed plunger pump.
Greene engine valve gear and governors.

In cut section:

Desmond, American, U. S.
Universal Koerting, Metropolitan, and Penberthy injectors.
Penberthy ejector.
Hancock inspirator.
Lunkenheimer products.
Globe, gate and angle valves
Lubricator, grease and oil cups.
Type A Nonpareil generator valve.
3½″ Ashton Safety Valve (Loaned).

Smith gas producer.
Caldwell air compressor.
Trill indicator.
"I" Guard
2 Reliance water columns.
3½" American Safety Valve (Loaned).
Lunkenheimer safety valve.
American, Anderson, Dunham, and Squires traps.

Opportunity.

On entering this department a boy is made assistant fireman; he is taught to make and keep a good fire, weigh and make a record of the amount of coal burned, ashes taken out, and volume of water evaporated; he learns to handle injectors, pumps, traps, and other necessary fireroom apparatus, and to be accurate and reliable in his work. Thorough instruction in installing steam, gas, and water pipes is also given in this department. Each boy is properly prepared for all the duties of an assistant fireman before the close of his second year.

INVENTORY

Equipment:	Dec. 1, 1915	Dec. 1, 1916
Buildings	$1,500.00	$1,500.00
Machinery	6,598.43	6,694.00
Furniture, apparatus and tools	1,432.88	1,536.11
Maintenance:		
Shop material and supplies	260.73	369.07
	$9,792.04	$10,099.18
Credits given on work and products		$1,182.20

EVENING CLASSES

Instruction is given in evening classes for day men, and in day classes for night men to prepare them for all the grades of firemen's and steam engineers' licenses. There are 52 men enrolled in these classes, and their advancement has been very satisfactory.

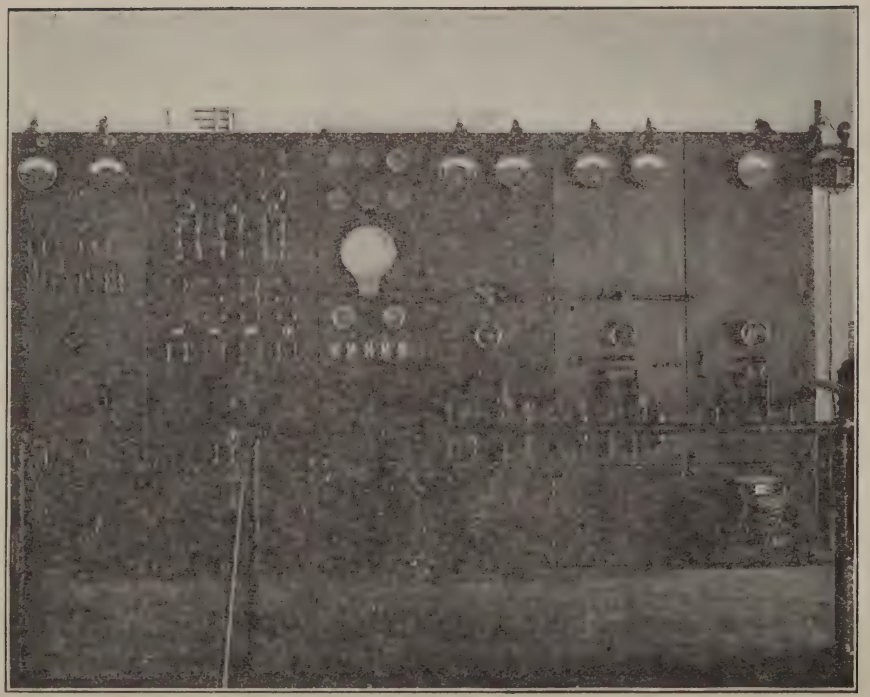
PLUMBING

The trade extension courses in elementary and advanced plumbing are well attended and the men have shown very satisfactory progress.

COURSE OF STUDY, POWER DEPARTMENT

SUBJECTS	FIRST YEAR		SECOND YEAR	
	1st. HALF	2nd. HALF	1st. HALF	2nd. HALF
SHOP WORK	Operation of Steam and Gas Plant and Steam Heating			
TIME	70%	70%	69%	69%
MATHEMATICS	Fractions--Decimals Based on Jobs in Shop		Mensuration Figuring Heat Surfaces Volumes	
TIME	7%	7%	7%	7%
ENGLISH	Shop Reports Sentence Work Spelling		Shop Reports Composition Work Spelling	
TIME	5%	5%	2%	2%
DRAWING	Lettering Sketching Problems	Detail Drawings of Machine and Engine Parts		Assembly Drawings of Dash Pots, Etc
TIME	9%	9%	9%	9%
CIVICS			Protection-Health-Education Transportation--Charities General Government. Beginning with the Boy's Relation to these Topics and ending with Nat. Org.	
TIME			4%	4%
STEAM PRACTICE		Principles of Steam Generation		
TIME	9%	9%	9%	9%

32½ hours per week = 100%



SWITCHBOARD.

Erected, connected and operated by pupils.

THE ELECTRICAL DEPARTMENT

The Electrical Department is in a two-story building 32 feet by 42 feet, and has on the first floor a central station, tool and supply rooms; on the second floor the work shops and class rooms. The apparatus for instruction purposes includes:

One 15 Kw. Eddy 125 volt D. C. compound generator.
Two 13 Kw. Crocker Wheeler 125 volt D. C. compound generators.
One 2 Kw. 125 volt D. C. Shunt generator.
Two 5 H P. Edison bipolar motors.
Two 10 H. P. Edison bipolar generators.
One 3 H. P. General Electric D. C. motors.
One 6 panel switchboard complete.
One 20 H. P. General Electric three-phase A. C. motor.
One 3 H. P. General Electric single-phase 220V A. C. induction motor.
One 3 H. P. General Electric 110V/220V A. C. repulsion motor.
One ½ H. P. Century A. C. single-phase motor.
One Western Electric 5 H. P. three-phase 550V squirrel cage induction motor.
One 5 K. V. A. 550/220-110 volt transformer.
Two 3 K. V. A. 550/220-110 volt transformers.
One post drill.
One emery wheel and buffer.
Various instruments, coils, transformers, small motors, etc., for testing and experimental purposes.
Laboratory equipment consisting of motor generator set with interchangeable part, which may be used to show operation of different types of D. C. and A. C. motors and generators, also to illustrate various other electrical devices.

Aim and Opportunity.

A boy completing the full course in this department should be able to render satisfactory service as operating assistant on central station maintenance and repairs, in the handling of switchboards, and the keeping of necessary log sheet records; also to install and keep in continuous service electric motors and generators, light, telephone, and bell circuits, and have a general knowledge of storage batteries and magnetos. He should be able to make necessary calculations and drawings to show proposed work which may be given him to do.

The boy who can complete only a part of the course given in the day classes may complete his instruction through short unit courses conducted in the evening sessions.

INVENTORY

Equipment:	Dec. 1, 1915	Dec. 1, 1916
Machinery	$1,409.50	$1,363.50
Furniture, apparatus and tools	1,402.77	1,597.17
Maintenance:		
Shop material and supplies	250.77	520.72
	$3,123.04	$3,481.39

Cash received for work and products	$6.81
Credits given on work and products	1,347.37

EVENING COURSES

There are at present two evening classes in this department, one in construction, operation, and repair of A. C. and D. C. machines, and one in connections and calculations for general wiring and the study of the Underwriters' Rules. Additional courses will be conducted if a sufficient number of pupils enroll.

COURSE OF STUDY, ELECTRICAL DEPARTMENT

SUBJECTS	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
	1st HALF	2nd HALF	1st HALF	2nd HALF	1st HALF	2nd HALF	1st HALF	2nd HALF
SHOP WORK	Small Repair Work Helpers for Advanced Boys		Machine Repair Work	Wiring	Construction and Plant Maintenance		Commercial Plant Maintenance Work	
TIME	84%	84%	69%	69%	73%	73%	73%	73%
MATHEMATICS	Fractions Decimals Based on Shop Jobs	Mensuration Wire Computation	Wire Computations Ohm's Law	Speeds of Pulleys Motors Levers, etc.	Solution of Right Triangle Algebra—as applied to Shop Formulae		Alternating Currents Single Phase Polyphase	
TIME	7%	7%	8%	8%	9%	9%	9%	9%
ENGLISH	Shop Reports Sentence Work Spelling		Shop Reports Composition Work Spelling		General English in Civics and Business Forms			
TIME	5%	5%	5%	5%				
DRAWING	Lettering Shop Sketches Blueprinting		Problems Elements of Detail	Detail of Machine Parts	Wiring Plans Detail of Electrical Parts		Assembly Work Power House Lay Out	
TIME	4%	4%	9%	9%	9%	9%	9%	9%
TRADE SCIENCE			Study of Metals Foundry Practice		Study of Illumination	Machine Shop Practice	Study of Engines Machine Tests	
TIME			5%	5%	5%	5%	5%	5%
CIVICS			Protection—Health and Hygiene—Education—Transportation and Highways—Recreation and Social Welfare—Charities and Correction—General Government Beginning with the Boy's Relation to These Topics and ending with National Organizations					
TIME			4%	4%	2%	2%	2%	2%
BUSINESS LAW					Letter Writing Simple Accounts	Contracts	Notes Checks Etc.	Partnerships Thrift
TIME					2%	2%	2%	2%

32½ hours per week = 100 %

Preparation of Luncheon for Ten Teachers at 20 cents per Plate.
By four pupils, for twenty weeks. By two pupils, for twenty weeks.

HOMEMAKING DEPARTMENT

The Homemaking Department is in a three-story building 40x75 feet, having on the first floor a restaurant and class rooms, on the second floor sewing rooms and class rooms, and on the third floor kitchens, laundry and class rooms. The course is essentially training for home-making and the subjects may be divided into three groups:

1. Practical Subjects—developing skill and ability to do the work or to supervise it in the girl's home.

2. Related Studies—developing intelligence by finding out the reasons for methods employed, and by giving mastery of the elementary but constantly necessary processes in arithmetic and English. For instance, household accounts, bills, business letters, etc.

3. Cultural Studies—developing the spirit of the homemaker.

"The man's work for his home is to secure its maintenance and defence; the woman's is to secure its order, comfort, and loveliness."

The Homemaking Department has retained the same corps of teachers that has served it for the past two years. This means that its aim has not changed materially, but has grown more definite in the minds of teachers and pupils, and we hope has become better understood by the parents and the public at large. This aim is to develop a course that makes the hands of the girls skillful in cooking, cleaning, sewing, millinery, and the home care of the sick, and at the same time, constantly turns their minds towards responsibilities that they are already old enough to share with their mothers at home. It has, therefore, present use, though its aim is to make the girls intelligent and idealistic in their own

later homemaking. The girls find their training a help to wage earning. While four of the twelve graduates in June, 1916, are necessary and valuable assistants in their own homes, of the others, one has proved capable as a practical nurse, three have been employed in Cherry's alteration department, one has entered her apprenticeship in millinery at Steiger Dudgeon's and one is employed as operator in the Telephone Office. Two of the girls who are at home come back certain afternoons each week for cooking and sewing.

The greatest change during the year has been cutting down the course definitely to two years—a step taken *not* because the possibilities of the homemaking course are limited, but because we cannot develop its possibilities in the building and with the equipment we have. Shortening the course by one half has made the total enrollment much smaller, since no third or fourth-year girls came back. The following figures, however, give us reason to hope that the end of the year will show as large or even a larger attendance than formerly.

	Enrollment Sept.-Nov. 30.	Left Sept.-Nov. 30.	Per Cent Loss.
1913-14.....	78	19	24+%
1914-15.....	66	17	25+%
1915-16.....	59	8	13+%
1916-17.....	43	4	9+%

The increasing interest shown by the women of the city in the work of the school this year is most encouraging to the teachers and stimulating to the pupils.

The Mothers' Club spent an afternoon in October at the school and were served with refreshments prepared by the girls.

The Saturday Club has placed on its winter program "A Balanced Luncheon Served by the Girls of the Industrial School."

The women in the Society of American Preparedness arranged for a course of six lessons in "Food Values in Relation to Preparedness" during November and December.

Teachers from the school have been given opportunity to discuss topics in Household Management with classes of High School girls and of older women at the Young Women's Christian Association.

The City Mission has again given the girls an opportunity to teach cooking and sewing to classes of little girls. Cooking classes are held on Mondays, Tuesdays, Thursdays, and Fridays; Sewing classes on Wednesdays.

The afternoon classes for High School girls this year are as follows: Elementary Cooking, 1; Advanced Cooking, 1; Elementary Sewing, 2; Advanced Sewing, 1; Elementary Millinery, 2; Advanced Millinery, 1; total enrollment, 71.

INVENTORY

Equipment:	Dec. 1, 1915	Dec. 1, 1916
Machinery	$1,025.05	$1,089.00
Furniture, apparatus and tools	2,825.83	2,806.74
Maintenance:		
Shop materials and supplies	152.90	187.97
	$4,003.78	$4,083.71

Cash received for work and products	$1,035.38
Credits given on work and products	2,169.90

EVENING SCHOOLS

On account of the space at our disposal for evening classes for women, the numbers in the classes were limited this year on the recommendation of Miss Wilkins, the State Agent for Evening School Work. Classes to which we have formerly admitted 15 were cut to 12, and at the Lincoln School to 10.

There is a serious administrative difficulty in organizing the evening school classes for women—35 classes in five different buildings—before the day school work for our regular pupils and the High School girls is fairly under way. This year many slips occurred in organizing classes and notifying pupils, and these mistakes affected seriously the attendance in the classes. Under the unit system of instruction, once class work is well started in any unit (as a Shirtwaist Course, a Course in Velvet Hats, or in Preparing Breakfasts), new pupils must wait until the beginning of the next unit before entering. Often in the interval they get interested in other activities, and when notified that the opportunity to enter has come, no longer care to avail themselves of it. Turning to the brighter side, the mistakes in administration have been so apparent that already steps to render such mistakes unlikely another year have been taken in planning ways of giving more time and care to the organization of classes. The most encouraging thing about this season is the higher grade of work that is very apparent in all the classes.

DEPOSIT

A deposit of fifty cents is required at the time of registration, to insure proper attendance. If more women register than can be admitted, this fee is returned to those who are not given places in the classes. The fee is returned at the end of session to all who are present four-fifths of the time.

COURSE OF STUDY, HOMEMAKING DEPARTMENT

SUBJECTS	FIRST YEAR		SECOND YEAR	
	1st HALF	2nd HALF	1st HALF	2nd HALF
COOKING	Preparation of Soups, Stews, Breads, Vegetables and Simple Desserts for Cafeteria Lunch		Marketing, Planning, Cooking and Estimating Costs of Teachers' Lunch Served Family Style	
TIME	23+%	23+%	10%	10%
SEWING	Mending, Darning, Simple Renovation, Making Underwear, Shirt Waists and Cotton Dresses		Renovation of Dresses and Coats Making Woolen Dresses, Fancy Cotton Dresses, Embroidered Underwear	
TIME	28−%	28−%	43+%	43+%
DESIGN	Simple Line Printing—Model Form—Study of Line, Proportion, Spacing and Color, Christmas Cards, Sketching Designs of Underwear and Simple Dresses.		Designing Underwear, Dresses and Hats. Place and Menu Cards, Posters House Planning and Furnishing	
	9+%	9+%	7+%	7+%
MILLINERY	Practice Work Trimming Felt Hats	Renovating Spring Hats Making Summer Hats	Making Velvet Hats	Making Summer Hats
	8+%	8+%	7+%	7+%
HOUSEHOLD MANAGEMENT	Housewifery	Laundry	Planning and Systematizing Housework. Discussion of Family Budget	
	6+%	6+%	5%	5%
HYGIENE and HOME NURSING	Personal Hygiene—Bed Making Bandaging—First Aid—Discussion of Infant Care.		Physiology	Dietetics
	3%	3%	3+%	3+%
ARITHMETIC	Reckoning Recipes—Fractions Decimals		Personal accounts—Cooking accounts Household accounts	
	3%	3%	6%	6%
ENGLISH	Spelling—Letter Writing—Oral and Written Reports—Magazine Reading		Business English—Current Events Debating—Reports on House Planning and Furnishing	
	9+%	9+%	10%	10%
CITIZENSHIP			Study of Government and Social Work of the City	
			3+%	3+%
VOCATIONS FOR GIRLS				Study of Employments — Preparation Required—Conditions of Work, Wages, Etc. 5%
PHYSICAL TRAINING	3%		3+%	
TEXTILES	6+%		6+%	

32½ hours per week = 100%

CARD OF INFORMATION GIVEN PUPILS ON ENTERING THE SCHOOL

In Effect January 1, 1917.

NEW BEDFORD INDUSTRIAL SCHOOL INFORMATION

Checks. A boy on being admitted to the School will receive from the head of his department, 10 tool checks and a locker key, for which he must place a deposit of 25 cents in the main office.

Cards. The boy must fill out his cost card daily. He must have a card for each job, and charge all stock on the back of his card at the time he receives it.

Tools. All tools must be returned to their proper places at the end of each day, unless the boy is given permission to keep out a given tool.

Tardiness. A pupil will be considered late and must obtain a late slip from the office, if his card is not in the rack, or if he is not in the shop or class room ready for work, before the last whistle blows for the morning and afternoon sessions.

If the boy is late he will be charged 15 minutes for the first offence; ½ hour for the second; 1 hour for the third; and 2 hours each for the fourth, fifth and sixth; for all further tardiness he will be charged four hours for each offence. The head of the department may at his discretion credit any necessary tardiness.

Absence. A boy wishing to be absent from his work must, when possible, notify his instructor of his intention, and must, on the day he returns to work, bring in a written excuse signed by his parent or guardian.

A boy neglecting to bring in his excuse for absence on the day he returns will be charged 5 hours, and unless an excuse satisfactory to the head of the department is presented within 36 hours after his return to work, he shall be charged for the whole period of absence.

COST OF SCHOOL FROM DECEMBER 6, 1915 TO DECEMBER 4, 1916

Equipment Items:		
Rent,	$3,250.00	
Equipment and Tools,	1,102.95	
Maintenance Items:		
Salaries and Labor,	$31,131.97	
Fuel, Water, Gas and Electricity,	2,289,13	
Office, Janitor and Class Room Supplies,	2,573.43	
Material for Shops,	7,225.37	
Repairs and Replacements,	1,319.03	
Total,	$48,891.88	
One-half of net maintenance cost, paid by the State		$16,245.65
Tuition receipts,		4,805.55
Cash,		2,893.05
		$23,944.25
Net cost to city,	$24,947.63	

STATEMENT OF SCHOOL CASH

Cash on hand December 6, 1915,	$238.18	
Receipts Dec. 6, 1915, Dec. 4, 1916,	2,799.15	
	$3,037.33	
Disbursements Dec. 6, 1915—Dec. 4, 1916,		$2,893.05
Cash on hand December 4, 1916,		144.28
		$3,037.33

TOTAL INVENTORY DEC. 1, 1916

Buildings,	$1,500.00
Machinery,	24,312.89
Furniture,	2,898.05
Apparatus,	6,830.89
Tools,	3,289.94
Shop Material and Supplies,	3,629.62
	$42,461.39

SYSTEM OF CHECK ON ABSENCE, TARDINESS, DISOBEDIENCE AND INATTENTION

1. Each first section boy is allowed 60 hours lost time during his first section period; a boy in the second section 50 hours; in the third section 40 hours; and in the fourth section 30 hours.

2. If any boy is promoted before the end of the school year his total allowance for lost time is then the number of hours allowed in the section into which he is promoted.

3. No time will be charged for absence if an excuse signed by the parent and marked "Credit" by the head of the department is filed in the office within 36 hours after the pupil's return.

4. A pupil will be considered late, and must obtain a "late slip" from the office, if he is not in the shop or class room ready for work when the last whistle blows at 8:30 a. m. and 1:15 p. m.

If a pupil is late, he will be charged one-fourth hour for the first offence, one-half hour for the second, one hour for the third, and two hours each for the fourth, fifth and sixth; for all further tardiness he will be charged four hours for each offence.

5. Penalties for disobedience, inattention and unsatisfactory work will be fixed at the time the offence is committed.

6. When the allowance for delinquencies is exhausted, the boy automatically drops from the roll.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS

OF THE

CITY OF NEW BEDFORD, MASS.

TO THE
CITY COUNCIL

For the Year Ending Dec. 2, 1916.

NEW BEDFORD
THE A. E. COFFIN PRESS, PRINTERS
1917

City of New Bedford.

In Board of Aldermen,

February 23, 1917.

Received, filed, ordered printed in the City Documents, and sent down for concurrence.

W. H. B. REMINGTON,
City Clerk.

In Common Council,

February 23, 1917.

Concurred.

CHARLES P. SAWYER,
Clerk.

Report of the Superintendent.

To the Honorable, the Mayor and City Council.

Gentlemen:

In compliance with section 478 of the Revised Ordinances, I transmit herewith my annual report of the operation and activities of the Street Department for the year ending December 2, 1916. It contains a review of the work done during the year and such data as will be of interest to taxpayers and public officials.

During the year the department forces have laid 7,050 sq. yds. granite block paving, 3,069 sq. yds. wood blocks, 2,833 sq. yds. sheet asphalt, 20,446 sq. yds. asphaltic concrete, all on a Portland cement concrete base, and 108,202 sq. yds. bituminous macadam; also 26,765 lineal feet of pipe sewers of various sizes from 8 to 36 inches, 792 lineal feet 42-inch segment block sewer, and 843 lineal feet of Portland cement concrete sewer have been constructed.

The numerous delays caused by freight embargos and war orders, as well as the advance in the cost of construction materials, have added materially to the cost of the work done.

A great deal of attention has been given to the matter of maintenance, which includes not only the care and repair of street surfaces but matters of sanitation, such as cleaning and flushing of streets, sewers,

and catch basins; cleaning gutters, collection and disposal of ashes and rubbish; collection of garbage; snow removal, and street oiling, all of which have a direct bearing on public health. A street-car flusher was used for the first time this year and proved very satisfactory, and, being operated during the night, the streets were clean in the morning, and it was found that no sprinkling was required to keep down dust on the streets flushed. A horse-drawn flusher was operated on the streets where there were no car tracks.

On January 1st a new ordinance requiring the separation of ashes and rubbish will go into effect, which is expected to help reduce the cost of disposal by making available many dumps which could not be obtained if loose papers were included with the ashes.

Taken altogether, there is a vast amount of detail to be attended to in the operation of the department, and I submit with my report a suggestion for the reorganization of the department so that the various units will have a deputy in charge instead of letting one man try to look after all of the different activities.

I call your attention to the increasing scarcity of crusher stone. It was necessary during the year to shut down the crushers many times for lack of stone. This condition is brought about by the fact that nearly all of the stone within a reasonable haul of our crushers has been cleaned up, so that most of the stone bought hereafter will have to come from the adjoining towns and probably will cost the city more than the price being paid at the present time.

I would suggest the purchase, by the city, at an early date, of land on the railroad where a trestle and yard for handling materials could be established. This would save a large amount in the cost of handling materials of construction as well as relieve the congestion which exists at the city yard.

I also recommend the employment of an additional clerk, whose duty it would be to keep construction records so that the cost of any piece of work can be ascertained at any stage of construction, also to see that the charges are properly subdivided and checked with the engineer's estimate, and that the time-books are properly kept.

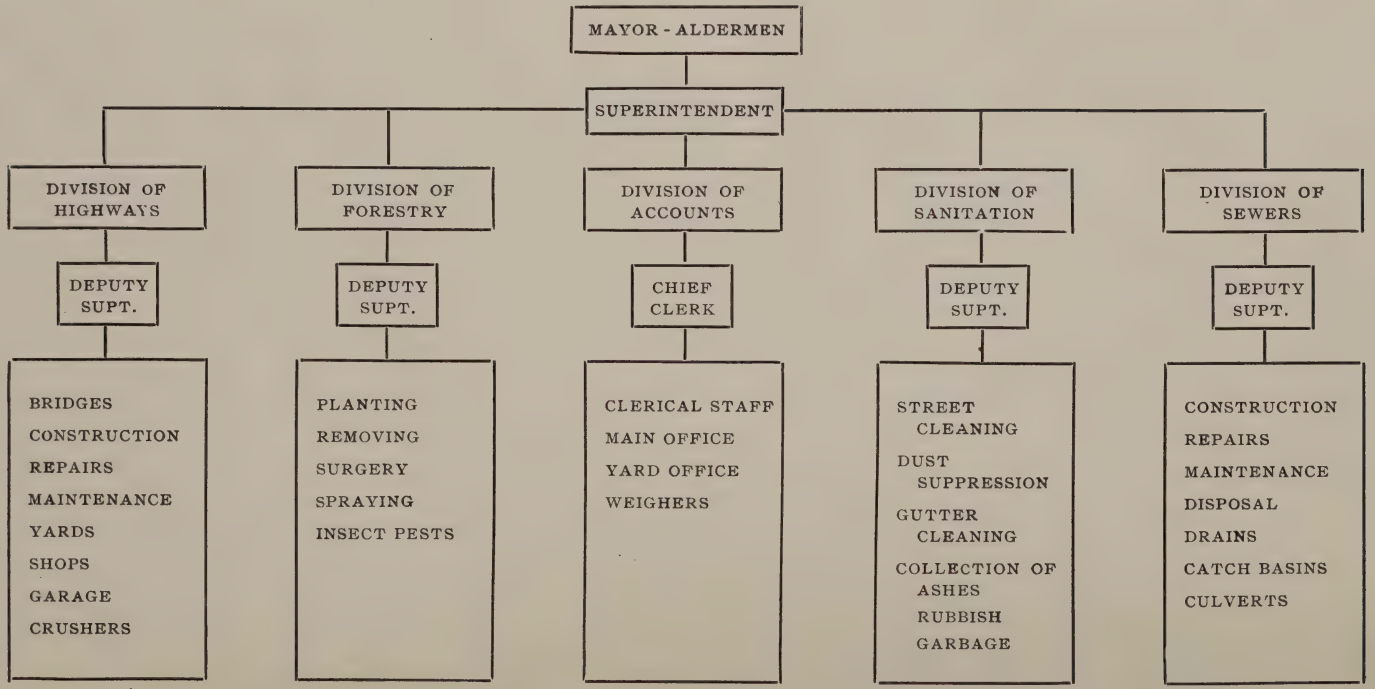
Itemized estimates for all construction work should be submitted by the City Engineer.

I extend hearty thanks to all who have assisted in carrying on the work of the department during the year.

Respectfully submitted,

W. P. HAMMERSLEY,
Superintendent.

PROPOSED REORGANIZATION OF THE STREET DEPARTMENT.



NEW BEDFORD — 1916.

GENERAL STATISTICS.

Population, estimated 114,106.
Valuation, $113,121,793.00.
Area, about 19.39 sq. miles.
Accepted streets, 189.78 miles.
Three bridges over the Acushnet River. New Bedford and Fairhaven bridge, 70 feet wide and 9/10 mile long; 4/5 maintained by New Bedford. Coggeshall Street bridge, 3/4 maintained by New Bedford. Slocum Street bridge, concrete, between New Bedford and Acushnet, built by County Commissioners in 1913; 1/2 maintained by New Bedford.

10.86 miles granite block pavement,	area, 165,369 sq. yds.
0.82 miles wood block pavement,	area, 18,293 sq. yds.
0.02 miles asphalt block paving,	area, 273 sq. yds.
0.34 miles brick pavement,	area, 12,128 sq. yds.
(New Bedford and Fairhaven Bridge.)	
12.20 miles bitulithic and similar pavement,	area, 204,010 sq. yds.
12.37 miles bituminous macadam,	area, 163,791 sq. yds.
91.12 miles water-bound macadam,	area, 1,141,444 sq. yds.
0.04 miles concrete pavement,	area, 261 sq. yds.
4.34 miles cobble pavement,	area, 61,074 sq. yds.
138.53 miles curbing.	
30.26 miles flag walks,	area, 88,947 sq. yds.
32.66 miles tar concrete walks,	area, 141,135 sq. yds.
32.15 miles granolithic walks,	area, 137,182 sq. yds.

132.83 miles Sewers.
Cost of sewer system to date (including intercepting sewer) $3,358,999.55.
1582 catch basins.
797 eye-holes.

APPROPRIATIONS AND EXPENDITURES.

Year 1916.

		Appropriations	Net Expenditures
Highways and Streets:			
Appropriation	$210,000.00		
Excise Tax:—			
Union St. Ry. Co.	$10,950.00		
Bay State	3,029.45		
		$223,979.45	$229,257.92
Highway improvements		278,000.00	280,405.32
* " " No. 1, 2, 3		8,931.87	8,931.87
Macadam Loan		54,664.87	54,664.87
Sewers and Drains,		15,000.00	12,582.52
Bridges,		10,000.00	10,856.94
Forestry,		6,000.00	4,571.48
Garbage Collection		10,000.00	8,278.92
*Turner's Pond Bridge,		10,000.00	6,637.07
*Cove Road Retaining Wall		2,000.00	1,919.12
Catch Basins		5,000	5,617.38
Sewer Construction — Loan		100,000.00	99,481.40
*Sewer Construction — General Acct.		5,585.73	
		$729,161.92	$723,204.81

* Carried forward from 1915.

Highways and Streets Accounts.

RECAPITULATION — HIGHWAYS AND STREETS.

GROSS EXPENDITURES.		Cost.
Ashing		$ 47,063.60
Accidents		3,376.18
Automobiles:		
Touring cars—runabouts		3,769.75
Trucks		5,783.08
Auto hire		121.50
Garage		2,422.67
(receipts for auto rent ($1,400.90)		
Building repairs		775.90
Repairs to :		
Crosswalks	$ 14.13	
Curbing, relaid	1,974.97	
Concrete walks	796.23	
Driveways	385.98	
Filling holes and washouts	2,099.80	
Sidewalks, flag	1,183.32	
Fences	138.13	
Granolithic walks	56.00	
Gutters	2,304.42	
Macadam	23,278.02	
Dirt roads	2,298.02	
Bituminous and Endurite pavement	3,906.25	
Bituminous Concrete penetration	81.30	
Cobble paving and block	6,542.61	
Wood block	491.55	
		45,550.73
Dust suppression — Oiling streets		30,189.62
Watering streets		2,585.74
Equipment		3,094.22
Heating and lighting		1,908.19
Miscellaneous—(street signs, bound stones, etc.)		4,087.67
Pensions		1,078.14
Removing snow and ice		11,455.68
Main office and salaries		10,616.28
City Yard office		3,090.15
Stable yard and yard toolhouse		3,498.45
Walks, cinder and gravel		9,272.14
Sweeping and cleaning streets and scraping gutters		70,835.08
Tools, new and repaired		6,342.31
Water supply		293.77
Walls, bank		4.27
Charges—Labor and stock for other departments and sundry parties		60,875.67
		$328,090.79

Cr.	
Appropriation	$210,000.00
Excise tax	13,979.45
Receipts	98,832.87
	$322,812.32
Dr. Balance	5,278.47
	$328,090.79

TURNER'S POND BRIDGE

Appropriation 1915		$12,000.00
Transferred to Cove road wall	$2,000 00	
Expenditures 1915	6,150.65	
Expenditures 1916	486.42	8,637.07
Balance		$ 3,362.93

COVE ROAD RETAINING WALL

Appropriation		$2,000.00
Expenditures 1915	1,671 36	
Expenditures 1916	247.76	1,919.12
Balance		$ 80.88

STREETS LAID OUT AND ACCEPTED.

Street	From	To	Date	Width and Length in Feet			
				25	40	50	60
Arlington	Glennon	Query	Apr. 26	.....	.....	297.46	.....
Bates	Acushnet Ave.	Bowditch	Apr. 26	.....	1,127.79	.....	.....
Bedford	Ash	Waverly	June 7	.....	125.67	.....	.....
Belleville Ave.	Tarkiln Hill Rd.	Mill Rd.	Oct. 25	.....	.....	.....	1,537.77
Cannon	E. of	Water	Sept. 27	280.00	.....	.....	.....
Central Ave.	Acushnet Ave.	Westerly	Mar. 22	.....	.....	557.34	.....
Circuit	Bolton	Rockdale Ave.	Sept. 13	.....	.....	575 33	.....
Concord	Query	Shaw	May 25	.....	.....	428.90	.....
Conduit	Wood	N. Branscomb	Apr. 26	.....	.....	520.19	.....
Conduit	N. Branscomb	Tarkiln Hill Rd.	Aug. 2	.....	.....	863.63	.....
Felton	Hersom	N. Branscomb	Apr. 26	.....	.....	268.69	.....
Felton	N. Branscomb	Tarkiln Hill Rd.	Aug. 2	.....	.....	823.81	.....
Fulton	Rockdale Ave.	Town Line	Oct. 25	.....	.....	449.18	.....
Glennon	Acushnet Ave.	Bowditch	Apr. 26	.....	1,001.95	.....	.....
Graham	Acushnet River	Belleville Ave.	June 7	.....	.....	1,075.60	.....
Harwich	Belleville Ave.	Acushnet Ave.	Apr. 26	.....	.....	503.21	.....
Holden	Felton	Conduit	Aug. 2	.....	.....	703.65	.....
Jonathan	Arnold	Court	Jan. 12	.....	.....	868.14	.....
Metcalf	McCrohan	Pontiac	Sept. 28	.....	.....	182.74	.....
Milford	Carlisle	Brooklawn Ave.	Apr. 27	.....	.....	751.88	.....
Query	Acushnet Ave.	Bowditch	Apr. 27	.....	.....	1,273 30	.....
Richmond	Mt. Vernon	Northerly	Apr. 26	.....	.....	139.72	.....
Rounds	Maple	Arnold	June 21	.....	.....	356.45	.....
Truro	River Rd.	Belleville Ave.	Apr. 26	.....	.....	608.05	.....
Waverly	N. of Allen	Bedford	June 7	.....	147.95	.....	.....
Westbrook	Rockdale Av.	John	Oct. 25	.....	.....	696.70	.....
Wood	River Rd.	Belleville Ave.	Sept. 27	.....	.....	646.89	.....
		Total length.....	.....	280.00	2,403.36	12,590.86	1,537.77

STREETS WIDENED.

Street	From	To	Date		
Brock Ave.	Rockdale	Town L ne	May 24	Both sides to 60 ft. length	1,545.09
Felton	Wood	Hersom	Mar. 27	5 ft. on each side "	239.16
Kempton	At Mill		Aug. 2	Cut off corner "	56.40
Mt. Pleasant	At Tarkiln Hill Rd.		May 25	Cut off corner "	87.99
				Total length	1,928.64

STREETS — DISCONTINUED.

River Rd	South of	Graham	June 7	length	45.60
				Total length	45.60

STREETS — ALTERATION OF LINES.

Union	Front	Acushnet Ave.	Mar. 27	14 ft. on S. S., Discontinued

STREETS — ALTERATION OF GRADES.

Arnold	Reed	Rockdale Ave.	May 24
Fielding	Wood	Hersom	July 19
Hadley	Kearsarge	Acushnet Ave.	June 21
Jonathan	Arnold	Union	May 24
Sharp	Rockdale Ave.	Town Line	Nov. 22

Total length accepted — 16,811.99 ft. = 3.18 miles.
Total length accepted streets,— Dec. 31, 1916 189.78 miles.

DUST SUPPRESSION.

WATERING STREETS.

Trolley Car Sprinkler and City Water Carts	Total Cost	$2,585.74

OILING STREETS.

	Sq. Yds.	Cost	Cost Per Sq. Yd.
Asphaltic Oil	789,127	$16,447.51	$0.0208
Non-Asphaltic Oil	743,447	2,181.56	0.0152
Tarvia B	82,150	11,358.85	0.0265
Receipts for material sold		201.70	
		$30,189 62	

STABLE AND TEAMING ACCOUNT.

Stock on hand Dec. 3, 1915 (horses, carts, harnesses, hay, grain, etc.) $27,041.90

	Labor	Teaming	Stock	Total	
Teaming	$10,324.80	$ 1.28	$10,197.92	$20,524.00	
Carts repaired and painted,	1,625.49	.....	626.61	2,252.10	
Stable expenses,	3,886.75	10.78	988.12	4,885.65	
					27,661.75
					$54,703.65

Credits received:

Manure and Hogs	$447.50	
Stock on hand Dec. 3, 1916	23,050.92	
		23,498.42
		$31,205.23

HIGHWAYS AND STREETS.

	1911	1912	1913	1914	1915	1916
Macadam, new, water-bound	$42,582.12	$52,163.20	$47,353.71	.....	.....	.....
Macadam, rebuilt, " "	34,601.86	32,142.83	43,862.78	$107,312.29	$11,992.04	$23,278.02
Macadam, repaired, " "	5,829.98	5,634.70	4,465.99	5,909.04	14,332.21	.....
Macadam:—						
Bituminous penetration	.....	.....	.....	.....	60,055.99	183,202.35
Bituminous concrete	.....	.....	.....	.....	31,989.15	58,775.38
Wood block paving	.....	.....	.....	.....	50,736.96	20,789.09
Bitulithic and endurite paving	74,264.76	46,973.44	63,043.77	83,110.41	874.10	.....
Streets filled and graded	41,355.68	58,205.26	31,516.21	36,571.98	22,328.13	15,341.07
Curbing, new and relaid	29,342.59	21,633.79	27,787.08	20,290.92	18,346.94	19,930.23
Gutters, new	13,940.52	25,077.59	15,258.07	13,439.79	6,210.92	1,130.32
Gutters, repaired	1,049.96	1,431.06	2,335.23	698.22	2,175.08	2,304.42
Concrete sidewalks, repaired	688.16	5,202.76	1,925.57	2,215.58	464.67	796.23
Gravel and cinder walks	17,913.19	25,782.02	19,827.49	15,516.37	21,349.59	9,272.14
Granolithic, sidewalks	27,977.23	20,648.56	20,163.36	16,640.19	24,162.75	27,687.61
Paving, new, granite block	49,232.65	49,906.37	*40,673.91	39,541.95	67,551.47	25,280.49
Paving, repaired, block, cobble and wood block	2,373.09	1,214.82	3,376.02	1,550.96	3,001.20	7,034.16
Flagging, new and repaired	1,885.46	1,423.58	3,569.97	1,736.88	986.97	1,183.32
Crosswalks, new and repaired	216.61	243.72	218.66	50.19	81.66	14.13
Sweeping and cleaning streets	62,531.03	68,624.40	70,944.56	70,159.22	60,478.81	70,835.08
Removing snow and ice,	5,013.01	1,488.45	850.77	4,959.62	2,619.59	11,455.68
Collecting ashes,	42,085.20	41,471.66	45,587.48	52,803.27	45,806.62	47,063.60
Filling holes in streets,	1,292.07	3,001.31	1,310.19	736.57	2,634.16	2,099.80

* Includes relaying Acushnet avenue.

GUTTERS.

NEW	1911	1912	1913	1914	1915	1916
Length in feet,	38,995.70	72,428.00	41,389.20	56,687.85	20,036.30	1,831.80
Average width,	3.50	3.50	3.50	3.50	3.50	3.50
Area in square yards,	15,244.25	27,484.09	18,102.88	23,441.11	7,605.82	610.61
Cost,	$13,940.52	25,077.59	15,258.07	13,439.79	6,210.92	1,130.32†
Cost per square yard,	$ .893	.912	.84	.55*	.77	.87
Cost per foot in length of average width,	$ .35	.346	.36	.22*	.29	.29
REPAIRED:						
Length in feet,	1,089.00	.....	.....	.....	.....	.....
Area in square yards,	367.70	.....	.....	.....	.....	.....
Cost,	$ 1,049.69	1,431.06	2,335.23	689.22	2,175.08	2,304.42

*Laying only (old cobbles from streets used over).

†Includes miscellaneous small charges.

HIGHWAY IMPROVEMENT.

CURBING	1911	1912	1913	1914	1915	1916
Length,	28,166.96	19,724.41	29,783.47	18,535.62	21,622.44	17,292.62
Cost,	$26,047.74	19,260.32	26,931.52	17,569.73	17,164.16	19,930.23
Cost per foot	$ .98	1.01	1.02	.947	.91	1.09
Cost per foot of stone	$ .49	.50	.55	.55	.53	.75
Cost per foot of labor	$ .49	.51	.47	.397	.38	.34
Total cost of curbing relaid	$ 3,045.97	1,966.29	855.56	2,721.19	1,182.78	1,974.97

Highway Improvement Account.

HIGHWAY IMPROVEMENT.

Appropriation	$278,000.00
Macadam	50,000.00
Balance from 1915 from Highway Improvement and Macadam Loan	13,596.74
Receipts, 1916	67,785.90
	$409,382.64
Expenditures	411,787.96
Dr. Balance	$ 2,405.32

EXPENDITURES

Curbing	$ 19,930.23
Gutters	1,130.32
Granolithic walks	27,687.61
Bituminous concrete :	
Mixing Method	58,775.38
Penetration	184,882.18
Granite block paving	33,600.66
Wood block paving	20,789.09
Filling and Grading	15,341.07
Equipment	10,351.12
Labor, stock, from Asphalt Plant ; Steam Rollers, Crusher and charges	49,300.30
	$411,787.96

BITUMINOUS CONCRETE PAVEMENT — PENETRATION SYSTEM.

Street	Location	Sq. Yards	Cost	Remarks
Acushnet Ave.	Lund's Cor. to City Line	50,184.00	$92,316.73	Under construction
County	Sycamore to Grinnell	17,944.50	37,918.33	" "
Carroll	Brigham to Brownell	1,561 00	1,108.53	No trap rock used
Plainville Rd.	Shawmut Ave. to Town Line	4,830.00	7,260.83	Under construction—No trap rock used
Pope	Summer to Cottage	896.00	998.50	
Butler	E. French Ave. to Brock Ave.	2,270.00	790.90	Waterbound
Coffin Ave.	Riverside Ave. Easterly	986.00	1,679.83	Under construction
Cottage	Durfee to Dartmouth	.....	1,298.86	" "
Crapo	Grinnell to Rivet	.....	333.74	" "
Palmer	Elm to Kempton	.....	394.55	" "
Rivet	Crapo to County	.....	304.31	" " old filling used
Rockland	Dartmouth to Lombard	457.00	666.91	" "
County	Grinnell to Brock Ave.	11,215.00	17,155.14	Construction work carrried over from 1915
Court	Ash to Rockdale Ave.	7,599.00	8,861.16	Carried over from 1915
Church	Belleville Rd. Northerly	1,083.00	1,472.18	" " " "
Chancery	Arnold to Union	.....	49.68	" " " "
Bolton	Rivet to Rockdale Ave.	5,900.00	4,806.39	" " " "
Brock Ave.	West of Bonney	.....	18.55	" " " "
Bedford	West of Cottage	.....	8.89	" " " "
Jenney	North to Hillman	.....	19.77	" " " "
Kane	Cottage to Ash	.....	2.09	" " " "
Middle	Pleasant to County	.....	35.29	" " " "
Mill	East line of Liberty to Kempton	6,290.00	5,815.52	" " " "
Rodney	Brock Ave. to Cleveland	.....	97.10	" " " "
Tarkiln Hill Rd.	West of Acushnet Ave.	.....	120.09	" " " "
Thompson	Purchase to County	.....	8.00	" " " "
Union	Ash to Chancery	1,082.00	522.57	" " " "
Sundry Charges	Seal Coats—Micellaneous Labor	.....	817.74	" " " "
			$184,882.18	

Bituminous concrete, P. S., laid in 1916 108,584.50 sq. yds.

BITUMINOUS CONCRETE PAVEMENT.

Street	Location	Sq. Yds.	Cost
Arnold	Ash to Atlantic	2,833	$7,204.32
*Dartmouth	Allen to Mathew	12,507	28,361.14
Durfee	Cottage to Shawmut Ave.	4,505	10,460.34
Kempton	E. of Rockdale Av. to Mill	1,522	4,488.56
Pleasant	Linden to Weld	1,625	5,992.08
Sixth	Elm to Middle	737	2,268.94
		23,729	$58,775.38

* Work carried over from 1915.

Average cost per sq. yd. $2.48 (including excavation and 6″ concrete base.)

GRANITE BLOCK PAVING (on Concrete Base)

Street	Location	Sq. Yds.	Cost
Acushnet Ave.	Bedford to Grinnell	2,660	$11,453.77
***Front St.	Union to Middle	4,202	9,059.36
* Front St.	Potomska to Howland	.....	2,529.51
** Purchase	North of Maxfield	.....	144.42
* Coffin Ave.	Riverside Ave. easterly	188	413.60
		7,050	$ 23,600.66

* Under construction, no blocks laid.
** 1915 work.
***Old and new blocks.

WOOD BLOCK PAVEMENT (on Concrete Base)

Street	Location	Sq. Yds.	Cost
* Acushnet Ave.	Coggeshall to Cedar Grove	1,069	$2,983.24
**Water	Cove to Rivet	2,027	17,805.85
		3,096	$20,789.09

* Old concrete base used with new skin concrete top.
**Under construction.

STONE CRUSHERS.

	Tons	Total Tons
CENTER CRUSHER:		
Stone on hand Dec. 1, 1915	100	
Stone bought in 1916	25,255	
		25,355
SOUTH CRUSHER:		
Stone on hand Dec 1, 1915	15	
Stone bought in 1916	6,997	
		7,012
NORTH CRUSHER:		
Stone on hand Dec. 1, 1915	75	
Stone bought in 1916	2,559	
		2,634
PORTABLE CRUSHER:		
Stone on hand Dec. 1, 1915	.....	
Stone bought in 1916	7,591	
		7,591
Stone received from City work		5,310
Total amount of stone at the four crushers		47,902
Crushed stone on hand Dec. 3, 1916:		
Center Crusher	50	
South Crusher	1,325	
		1,375
Amount of stone crushed during the year		46,527
Total cost of crushed stone	$51,762.02	
Cost per ton	$1.12	

CURBING — NEW — 1916

Street	Location	Length, ft.
Acushnet ave.	N. E. cor. Grinnell	12.50
	E. S. Howland to Grinnell	18.50
	E. S., S. of Griffin	107.55
	S. E. cor. Griffin	12.80
	N. E. cor. Griffin	12.40
	E. S. Bedford to Griffin	73.00
	W. S. Bedford to Wing	211.90
	W. S., S. of Dean	29.80
	E. S., S. of Nash rd.	14.00
	W. S., N. of Query	8.30
	W. S., S. Braley rd.	48.85
	W. S., N. Braley rd.	83.60
Adams	N. S., E. of Mt. Pleasant	74.55
Allen	S. S., W. County	70.00
Arch	E. S., S. of Union	113.00
Arlington	E. S., S. Central ave.	82.50
Arnold	S. S. Chancery to Ash	5.50
	N. S. Chancery to Park	10.30
	N. S., W. of Tremont	84.30
	S. S., E. Brownell	55.75
Ashley	E. S., S. of Ruth	63.25
Atlantic	E. S., N. of Maple	80.20
	W. S., N. of Arnold	35.90
Bates	N. S., W. of Acushnet ave.	50.60
Bedford	S. E. cor. Pleasant	12.20
	S. S., E. of Sixth	2.80
	S. S., E. of Brownell	81.30
Bethel	E. S., between Union & William	43.10
Braley rd.	N. W. cor. Acushnet ave.	40.07
	N. S., W. of Acushnet ave.	53.20
	S. S., W. of Acushnet ave.	91.20
Brigham	W. S., N. of Farm	125.80
	W. S., N. of Ryan	78.15
Brock ave.	E. S., S. Mott	49.65
	N. E. cor. Mott	12.25
	E. S., N. of Mott	98.45
	W. S., N. of Emery	74.95
	S. W. cor. Thatcher	7.80
	S. S., W. of Thatcher	50.30
Brownell	W. S., S. of Plymouth	80.70
	W. S., N. of Hawthorn	92.75
	E. S., N. of Maple	76.95
Bullock	W. S., S. of Durfee	91.65
Buttonwood	E. S., S. of Kempton	31.30
Carroll	S. S., W. of Brigham	301.20
	N. S., W. of Brigham	126.80
	S. S., W. of Brownell	80.15
Cedar	W. S., N. of Willow	83.45
Central ave.	S. S., E. of Arlington	179.75
	S. E. cor. Arlington	12.75

CURBING — NEW — Continued

Street	Location	Length, ft.
Chancery	E. S., N. of Parker	37.90
	W. S., N. Sylvester	45.95
Cherry	S. S., Sixth to County	339.00
Clifford	S. W. cor. Arlington	12.60
	S. E. cor. Arlington	12.20
Clinton	S. S., W. Rotch	40.85
	N. S., W. Brownell	39.15
Concord	W. S., N. of Query	29.60
	E. S., N. of Query	29.15
Cook	W. S., N. of Kempton	60.35
Cottage	E. S., N. of Maple	79.85
	E. S., S. of Elm	77.00
	E. S., N. Austin	56.90
	E. S., S. of Durfee	59.70
County	E. S., S. of Blackmer	22.50
	E. S., N. of North	68.25
Court	N. S., W. of Pierce	90.40
	N. S., E. of Newton	26.85
	N. S., W. of Palmer	39.80
	S. S., W. of Reed	84.95
	S. E. cor. Jonathan	13.10
	S. S., E. of Jonathan	79.30
Crescent	N. E. cor. Kempton	5.00
Dartmouth	E. S., Orchard to Allen	108.85
	N. E. cor. Orchard	6.80
	S. E. cor. Orchard	9.60
	E. S., Orchard to Grinnell	255.25
	W. S., Bay to Cottage	269.40
	W. S., Cottage to Borden	160.10
	S. W. cor. Borden	8.40
	W. S., Borden to Oak	510.54
	N. E. cor. Fair	12.60
	E. S., Fair to Rockland	327.60
	W. S., S. of Oak	244.40
Davis	N. S., W. of Belleville ave.	147.25
	S. S., W. of Acushnet ave.	140.80
Dean	S. S., W. of Acushnet ave.	107.90
	N. W. cor. Brook	23.08
	N. E. cor. Brook	5.20
Durfee	N. W. cor. Cottage	10.00
	N. W. cor. Vine	12.40
	S. E. cor. Cedar	1.70
	S. S., Cedar to Richmond	33.40
	N. W. cor. DeWolf	12.40
	N. E. cor. DeWolf	12.50
	S. E. cor. Shawmut ave.	12.50
Elm	N. S., E. of Pleasant	41.60
	N. S., W. of Liberty	84.00

CURBING — NEW — Continued

Street	Location	Length, ft.
Emery	S. S., W. of Brock ave.	94.40
	N. S., W. of Brock ave.	46.25
Emerson	E. S., S. of Union	50.85
Emma	S. S., W. of Brock ave.	43.00
Farm	N. S., W. of Brigham	93.90
Front	W. S., N. of Gifford	6.30
	E. S., N. of Potomska	114.50
George	S. S., W. of Brock ave.	91.70
Grinnell	S. E. cor. Second	12.00
	S. S., E. of Second	66.65
Hathaway rd.	and Shawmut ave. around catch basin	31.45
Hawthorn	S. S., W. of Cottage	57.75
	S. S., W. of Gould	52.70
Hazard	S. S., E. of Summer	51.80
Hemlock	W. S., S. of Sagamore	42.10
Hillman	N. S., E. of Foster	63.40
Howland terrace	E. S., S. of Cherry	141.55
Hussey	E. S., N. of Lake	167.95
	W. S., S. of Kempton	42.20
Irving	E. S., N. of Hawthorn	67.30
Jonathan	E. S., S. of Court	38.40
Junior	E. S., N. of Arnold	294.95
	W. S., N. of Arnold	97.30
Kempton	S. S., W. of County	10.30
	N. E. cor. Rockdale ave.	12.50
	N. S., E. of Rockdale ave.	69.70
	N. S., W. of Rockdale ave.	369.30
	Intersection of Mill	17.65
Lake	N. S., W. of Rockdale ave.	116.60
Liberty	W. S., N. of Elm	33.35
Maple	N. S., E. of Cottage	54.55
	S. S., E. of Chancery	6.20
	S. S., W. of Brownell	40.60
	N. S., E. of Brownell	57.00
	N. S., W. of Brownell	51.05
	S. S., W. of Reed	44.50
Mapleview ter.	N. S., W. of Tremont	45.00
Mathew	N. S., W. of Dartmouth	24.00
Maxfield	S. S., E. of State	5.90
Mill	N. S., E. of Summer	18.30
	N. S., W. of James	50.05
	N. S., E. of Lindsey	43.40
Mosher	N. S., W. of County	11.30
Mott	S. S., W. of Cleveland	45.00
	N. S., E. of Brock ave.	333.00
	S. S., E. of Brock ave.	272.58
Mt. Pleasant	E. S., N. of Peckham	48.10
	E. S., N. of Adams	47.45
Mt. Vernon		45.40
Newton	W. S., N. of Court	34.95

CURBING — NEW — Continued.

Street	Location	Length, ft.
North	S. S., W. of Hunter	50.95
	N. W. cor. Watson	12.60
	N. E. cor. Watson	12.80
	N. S. Watson to Kempton	190.60
Ocean	E. S., N. of Arnold	36.15
Oak	N. S., W. of Dartmouth	33.40
Oaklawn	N. S., W. of Brock ave.	42.30
Palmer	E. S. N. of Arnold	42.40
	W. S., N. of Arnold	54.55
	W. S., S. of Union	79.20
	E. S., S. of Union	42.00
Park	E. S., N. of Kempton	70.00
Phillips	N. S., E. of Acushnet ave.	11.30
Pierce	W. S., N. of Court	93.75
Pleasant	N. E. cor. Elm	12.50
	E. S., N. of Elm	99.80
Plymouth	N. S., W. of Brigham	41.90
	S. S., W. of Brownell	111.35
Pope	N. S., W. of Summer	30.90
Priscilla	N. S., W. of West	45.60
	S. S., W. of West	34.60
Purchase	N. W. cor. Maxfield	8.20
Query	N. W. cor. Acushnet ave.	7.35
	N. S. Acushnet ave. to Concord	181.10
	N. W. cor. Concord	12.30
	N. E. cor. Concord	12.70
	S. S., W. of Concord	47.10
	N. S., W. of Concord	56.75
Reed	W. S., S. of Maple	90.15
	W. S., S. of Union	42.20
	W. S., S. of Court	110.20
Richmond	W. S., S. of Willow	35.30
Robeson	N. S., W. of Cedar	79.80
Rockdale ave.	W. S., N. of Lake	50.60
Rotch	E. S., N. of Hawthorn	35.25
Rounds	W. S., N. of Union	85.70
	E. S., N. of Court	119.60
Ruth	S. S., E. of Ashley	129.90
	N. S., E. Salisbury	98.30
Ryan	S. S., W. of Brigham	42.15
	N. S., W. of Brigham	97.95
Sagamore	S. S., W. of Hemlock	101.80
Salisbury	E. S., N. of Ruth	82.90
Shaw	N. S., W. Bowditch	42.80
	N. E. cor. Arlington	12.35
	N. W. cor. Arlington	13.10
Sixth	W. S., N. of Bedford	70.20
Studley	N. S., W. of County	88.50
Summer	W. S., N. of Robeson	221.95

CURBING — NEW — Continued.

Street	Location	Length, ft.
Swift	S. S., E. of Dartmouth	97.80
Sycamore	N. S., W Park	41.10
Thatcher	W. S., S. of Brock ave.	128.70
Union	S. S., W. of Armour	38.25
	N. S., W. of Rounds	108.05
	S. S., W. of Palmer	57.40
	S. W. cor. Palmer	12.65
Valentine	S. S., W. of Brock ave.	38.30
	N. S., W. of Brock ave.	379.40
Vernon	E. S., S. of Wood	162.60
	W. S., S. of Wood	62.60
Water	B. S., S. of Rivet	1642.85
Watson	W. S. Kempton to North	48.25
	N. W. cor. North	12.85
	S. W. cor. North	12.75
Whitman	N. S., W. of Acushnet ave.	154.95
Willow	S. S., W. of Cedar	42.40
	N. S., W. of Cedar	73.90
	S. S., W. of Richmond	71.10
		17,292.62

Total cost of new curbing,	$19,930.23
Cost per foot,	1.09
Cost per foot of stone,	.75
Circular curbing,	1.00

GUTTERS — —NEW — 1916.

Street	Location	Length, ft.	Area, sq. yds.
Arlington	E. S. Shaw to Clifford	195.00	65.00
	W. S. Shaw to Clifford	195.00	65.00
Central ave.	N. S., E. of Acushnet ave.	252.50	84.17
Mill	at intersection of Kempton	36.30	12.10
Stowell	S. S. Dartmouth to Field	576.50	192.17
	N. S. Dartmouth to Field	576.50	192.17
		1831.80	610.61

Total cost of new gutters, $531.44
Cost per square yard, .87
Cost per lineal foot, .29

FILLING AND GRADING.

Street	Location	Cost
Acorn	No. of Durfee	$203.94
Arlington	Shaw to Clifford	55.58
Armour	Court to Arnold	86.53
Bonney	Katherine to Brock ave.	396.93
Bowditch	at Acushnet ave.	577.21
	Cedar Grove to Coggeshall	593.80
	No. of Tarkiln Hill rd.	84.07
Bristol	E. of Acushnet ave.	188.54
Bullock	Mt. Vernon to Potter	397.00
Carney	Maxfield to Smith	82.40
Carroll	Brigham to Brownell	383.84
Central ave.	Bowditch to Brook	176.75
Cleveland	Butler to Clara	189.89
Clifford	W. of Bowditch	204.34
Clinton	Reed to Rockdale ave.	710.26
Coffin ave.	Riverside ave. to Acushnet ave.	47.97
Dewey	W. of Acushnet ave.	319.97
Fielding	Wood to Hersom	1,395.98
Flagg	Maxfield to Smith	77.63
Florence	Maxfield to Hillman	410.00
Holly	W. of Acushnet ave.	43.56
Jonathan	Court to Union	1,404.35
	Union to Arnold	532.71
Jouvette		232.73
Joyce		279.60
Junior	So. of Union	495.94
Maple	Reed to Rockdale ave.	753.58
Oaklawn	Brock ave. to W. French ave.	203.32
Phillips rd.		334.29
Princeton	W. of Bowditch	225.11
Query	E. of Acushnet ave.	178.60
Shaw	Bowditch to Brook	308.35
Stephen	Mathew to Rockdale ave.	71.28
Sterling	W. of Acushnet ave.	769.02
Stowell	Dartmouth to Field	386.17
Swift	Bolton to Orchard	214.53
Tacoma		51.12
Truro	Belleville ave. to River rd.	207.80
Weaver	S. S., W. of Dartmouth	56.02
W. Elm	Reed to Rockdale ave.	295.79
W. French ave.	end of macadam to south line of Hazelwood park	52.69
W. Middle		92.98
Sundry	costing less than $50.00	481.81
Miscel. charges		1,087.09
		$15,341.07

GRANOLITHIC SIDEWALKS.

Street	Location	Area, sq. yds.
Acushnet ave.	S. W. cor. Davis	360.60
	S. W. cor. Deane	199.99
	Nos. 1509 to 1519	71.94
	Nos. 1578 to 1588	129.47
	N. E. cor. Phillips ave.	159.34
	N. W. cor. Coffin ave.	32.11
	E. S., S. of Nash rd.	64.25
	No. 1649, N. W. cor. Hathaway	110.28
Allen	No. 52	55.17
Arch	No. 6	31.76
	No. 10	32.22
Arlington	S. E. cor. Central ave.	195.90
Arnold	Nos. 291 to 297	43.65
Arnold pl.	S. E. cor. Rotch court	86.28
Arnold	S. S., E. of Brownell	25.81
Ashley	S. E. cor. Ruth	195.27
Atlantic	Nos. 25 to 27, S. of Union	20.15
	E. S., N. of Maple	21.32
	E. S., N. of Maple	21.24
Bates	N. S., W. of Acushnet ave.	21.23
Bedford	Nos. 390 to 394	56.38
	N. S., E. of Pleasant	107.70
	S. S., Purchase to Pleasant	205.70
Bowditch	W. S., N. of Cedar Grove	186.51
Brigham	Nos. 21, 22, 23 and 29	141.08
Brigham	No. 99, N. W. cor. Carroll	78.39
	W. S., N. of Carroll	32.83
	N. W. cor. Ryan	113.49
Brock ave.	N. E. cor. Mott (No. 11 Engine House)	475.76
	W. S., S. of Willard	12.52
	No. 765	46.80
	No. 757, N. W. cor. Emery	75.04
	S. E. cor. Mott	131.60
	S. W. cor. Thatcher	71.35
Brownell	No. 137	37.21
	S. W. cor. Plymouth	116.55
	No. 141	26.94
	W. S., S. of Clinton	5.33
Bullock	No. 31	50.47
Buttonwood	E. S., N. of Lake	33.64
Campbell	S. W. cor. County	150.02
Carroll	No. 60	29.12
	S. S., W. of Brownell	3.53
	S. S., W. of Brigham	56.94
	S. S., W. of Brigham	53.22
	S. S., W. of Brigham	27.15
	S. S., W. of Brigham	31.58
	N. S., E. of Brownell	32.58

GRANOLITHIC — Continued.

Street	Location	Area, sq. yds.
Cedar	No. 367, N. W. cor. Willow	57.55
	No. 371	20.79
Chancery	No. 434	20.51
	No. 491, N. of Sylvester	26.92
	W. S., N. of Arnold	19.07
Cherry	S. S., W. of Sixth	43.87
	S. E. cor. County	100.73
Clay	No. 3	26.44
	W. S., N. of Columbia	23.82
Clinton	S. S., County to Orchard	8.74
	S. S., W. of Brownell	28.74
	S. S., W. of Rotch	23.00
Coggeshall	N. S., W. of Acushnet ave.	47.36
Concord	E. S., N. of Query	14.33
	W. S., N. of Query	31.42
Cook	N. W. cor. Kempton	59.34
Cottage	N. E. cor. Austin	4.52
	No. 658	36.60
	No. 666	5.22
	No. 682	31.00
	S. E. cor. Elm	163.49
	E. S., S. of Durfee	50.19
	No. 118, N. E. cor. Maple	106.71
County	Nos. 105, 107, 109	39.51
	Nos. 109½ and 111	45.06
	Nos. 126 and 128	52.77
	N. W. cor. Studley (Church of the Holy Name)	288.57
	S. E. cor. Mill (First Ch. of Christ, Scientist)	128.62
	No. 483, N. of Elm	14.50
	N. W. cor. Mosher	59.50
	No. 113, S. W. cor. Winsor	52.87
	No. 556	59.76
Court	Nos. 419-421	23.78
	S. E. cor. Jonathan	68.89
	S. W. cor. Reed	89.47
	N. E. cor. Newton	25.12
	N. W. cor. Pierce	104.93
	N. S., W. of Orchard	17.78
Dartmouth	No. 21, W. S.	93.24
	No. 314, S. of Swift	54.61
Davis	No. 73	54.03
	Nos. 167-171	156.08
Durfee	No. 111	32.68
	N. W. cor. Bullock	84.03
Emerson	No. 20, E. S., N. of Arnold	24.98
Emery	N. W. cor. Brock ave.	29.60
	No. 16, W. of Brock ave.	29.97
	No. 20, W. of Brock ave.	32.69

GRANOLITHIC — Continued.

Street	Location	Area, sq. yds.
Emma	No. 64, W. of Brock ave.	31.70
Fair	Nos. 146, 148, 150, 152	46.73
	No. 158	25.28
First	E. S., S. of Blackmer	36.48
	No. 26	27.01
George	No. 28	27.44
Grinnell	No. 90, S. E. cor. Second	99.66
Hawthorn	S. S., W. of Gould	32.12
Hazard	No. 104	26.56
Hemlock	S. W. cor. Sagamore	118.71
Hillman	No. 63	39.20
Hillman	No. 249	27.12
Hand Ball ct.	Hazelwood Park	58.51
Howland tr.	S. W. cor. Cherry	70.78
	W. S., S. of Cherry	26.40
	E. S., S. of Cherry	34.96
	S. E. cor. Cherry	64.43
Hussey	No. 59	25.06
	E. S., N. of Lake	59.55
	No. 28, N. of Lake	30.71
	No. 32, N. of Lake	31.35
Irving	No. 6	33.85
James	No. 208	3.37
Junior	No. 21	25.63
	No. 22	28.25
	W. S., S. of Union	26.43
	W. S., N. of Arnold	52.00
	E. S., N. of Arnold	29.34
	E. S., N. of Arnold	27.60
	E. S., N. of Arnold	26.67
	W. S., N. of Arnold	26.49
Kempton	S. S., W. of County	9.00
	N. S., angle of North to Cornell	67.15
	N. S., Cornell to Alva	109.19
	N. S., Alva to Crescent	109.71
	N. S., Watson to intersection of North	92.31
Lake	No. 3	77.00
	No. 27, E. of Hussey	39.15
Liberty	N. W. cor. Elm	57.78
Maple	No. 288	30.29
	No. 303	34.19
	S. E. cor. Chancery	120.54
	N. E. cor. Brownell	92.91
	S. S., W. of Reed	32.33
Mapleview ter.	No. 23, W. of Tremont	26.36
Maxfield	N. E. cor. State	31.57
	N. S., E. of State	40.13
Mill	N. W. cor. James	27.58

GRANOLITHIC — Continued.

Street	Location	Area, sq. yds.
Mill	N. E. cor. Summer	120.22
	N. E. cor. Lindsey	27.93
Morgan	No. 41	43.36
Mott	No. 109	29.98
	No. 110	29.71
	No. 112	29.35
	No. 113	30.37
	No. 114	24.62
	No. 118	24.42
	No. 117	30.04
	No. 119	34.35
	No. 122	24.66
	No. 123	28.83
	No. 126	24.09
	No. 128	25.16
Mt. Pleasant	E. S., cor. Coggeshall	30.82
	No. 234, N. E. cor. Adams	81.46
Mt. Vernon	No. 98	24.91
Newton	No. 45	21.52
	N. W. cor. Court	51.59
North	No. 378, W. of Hunter	29.49
	N. S. street to angle at Kempton	35.64
	N. S., Watson to street	84.29
Oaklawn	N. S., W. of Brock ave.	28.65
Ocean	Nos. 44 and 46	33.01
Page	W. S., to driveway (St. Luke's)	161.92
Taber	S. S., to Lombard House (St. Luke's)	230.00
Palmer	W. S., N. of Elm	24.39
	No. 172, W. of Arnold	32.71
	No. 169	36.73
	S. W. cor. Union	87.56
	No. 184	29.25
Park	No. 82, N. of Arnold	21.83
	N. E. cor. Kempton	149.77
	No. 88, S. of Union	23.75
Pleasant	E. S., N. of Merrimac	15.08
	N. E. cor. Elm	135.80
	S. E. cor. Union	88.88
	No. 285	38.72
	No. 300	49.18
	No. 353	41.00
	No. 359	39.15
Plymouth	No. 25	28.59
	S. S., E. of Palmer	30.01
Pope	No. 239	35.68
Priscilla	No. 3	22.77
Purchase	N. W. cor. Elm	230.88
	No. 557 (First M. E. Church)	73.65

GRANOLITHIC — Continued.

Street	Location	Area, sq. yds.
Purchase	W. S., Wing to Bedford	347.33
Query	N. S., Acushnet ave. to Concord	121.86
	N. S., Concord W.	31.91
	S. S., W. of Acushnet ave.	34.48
Reed	No. 165, S. of Maple	34.00
	No. 169, S. of Maple	33.87
	No. 267	28.16
	Nos. 295, 297	31.88
Richmond	No. 95, S. of Willow	28.78
Robeson	No. 109	22.25
	N. S., W. of Cedar	21.38
Rotch	E. S., N. of Hawthorn	38.75
Rounds	No. 94	17.89
	No. 113	26.74
	W. S., N. of Elm	29.98
	N. W. cor. Union	72.33
	E. S., N. of Court	46.09
	W. S., S. of Court	25.63
Ruth	N. E. cor. Salisbury	197.10
Ryan	S. S., E. of Brownell	27.66
Shaw	No. 321, W. of Bowditch	32.55
Sixth	N. W. cor. Bedford (No. 4 Engine House)	103.75
South	N. S., W. of Purchase	18.53
So. Water	No. 445, N. of Howland	20.03
State	E. S., N. of Maxfield	30.95
Summer	No. 250, N. E. cor. Pope	81.60
	No. 260	32.08
	W. S., N. of Robeson (Church of Sacred Heart)	296.16
Swift	No. 110	121.51
Sycamore	N. S., W. of Park	27.62
Thatcher	No. 19	28.43
	No. 25	27.15
Union	No. 633, W. of Rounds	27.15
	S. S., W. of Armour	33.41
Valentine	No. 13	25.10
	No. 15	22.80
	No. 18	31.98
	Nos. 21 and 23	24.65
	No. 25	23.28
	No. 27	24.79
	No. 29	25.05
	No. 35	24.27
	Nos. 39 and 41	24.89
	Nos. 57 and 59	26.41
Vernon	S. S., S. of Wood	41.92
	E. S., S. of Wood	21.21
	E. S., S. of Wood	64.15

GRANOLITHIC — Continued.

Street	Location	Area sq. yds.
Water	Nos. 817 to 827	84.55
	Nos. 861, 863 and 865	66.68
	W. S., S. of Division	50.52
Watson	W. S., Kempton to North	30.53
Whitman	No. 201-203	34.68
	N. S., W. of Acushnet ave. (Immanuel Baptist church)	69.02
Willow	S. W. cor. Richmond	68.94
Wing	N. S. Purchase to Pleasant	184.65
	Square yards	14,742.49

Contracted bills, laying granolithic,	$13,268.24
Miscellaneous,	338.46
Extra thickness,	7.39
	$13,614.09
Labor excavating, preparing foundation, tools and supervision for 14,742.49 square yards,	14,073.52
Total cost,	$27,687.61
Average cost per square yard,	$1.85

Bridges.

BRIDGES.

Appropriation	$10,000.00
Expenditures	10,856.94
Dr. Balance	$ 856.94
* Total expenditure of N. B. & F. Draw Bridge,	$ 9,404.18
** Total expenditure of Coggeshall St. Bridge,	1,452.76
	$10,856.94

* One-fifth share to Town of Fairhaven,	$ 1,880.84
** One-fourth share to Town of Fairhaven,	363.19

ANNUAL REPORT OF THE NEW BEDFORD AND FAIRHAVEN DRAWBRIDGE.

Year Ending December 31, 1916.

1916	Boats	Tow Boats	Barges	Schooners	Steamers	No. of Vessels	No. of Openings	Tonnage
January	7	176	68	8	30	289	191	43,250
February,	2	174	58	4	17	255	191	38,000
March,	14	149	64	0	24	251	165	36,450
April,	135	138	56	4	10	343	252	39,900
May,	266	192	67	0	6	531	389	41,600
June,	334	203	76	0	18	631	467	31,250
July,	357	157	54	6	40	614	452	27,800
August,	372	222	77	18	64	753	559	48,750
September,	329	174	53	11	52	619	465	35,450
October,	321	180	67	14	41	623	454	41,700
November,	208	158	54	8	33	461	334	42,850
December,	88	182	60	6	24	360	247	37,000
Total	2433	2105	754	79	359	5730	4146	464,000

Forestry.

CITY FORESTRY.

Appropriation	$6,000.00
Expenditures	4,571.48
Cr. Balance	$1,428.52

EXPENDITURES.

Cutting, spraying, removing and trimming trees,	$2,552.71	
Brown Tail moth hunting,	451.74	
Tree planting, (labor)	348.02	
Gypsy moth hunting	340.60	
Supplies, repairing tools, etc.	878.41	
		$4,571.48

Sewers and Drains.

SEWERS AND DRAINS.

Appropriation	$15,000.00	
Receipts	30,679.01	
		$45,679.01
Expenditures		43,261.53
Balance		2,417.48

NET EXPENDITURES.

Appropriation,	$15,000.00
Balance,	2,417.48
	$12,582.52

GROSS EXPENDITURES.

	Total.
Auto truck,	$1,637.37
Boiler Repairs,	224.80
Catch-Basins cleaned,	8,037.73
Catch-Basins Repaired,	686.39
Culverts, repaired	30.31
Culverts, cleaned	46.41
Eyeholes, repaired,	63.09
Eyeholes, cleaned	32.95
Eyeholes, new	575.51
Manholes, new	144.18
Manholes, cleaned	6.33
Manholes, repaired	194.99
Miscellaneous,	537.80
Sewers cleaned	455.66
Sewers repaired	88.38
Surface Drains cleaned	3.72
Surface Drains new	525.13
Stock, Carting	613.51
Sewer Machinery repairs,	1,309.84
Tools, new and repaired	1,137.06
Drains, to Houses, new, repaired, and cleared	13,659.70
Supplies	8,577.48
Stock, on hand	4,673.19
	$43,261.53

DRAINS LAID.

Number	Size Pipe	Length Feet	Cost
2	5 inch	30	$ 35.53
353	6 inch	12,169	8,422.70
10	8 inch	618	809.38
365		12,817	$9,267.61

New drains laid, cost,.....	$9,267.61
355 drains cleared, cost	939.75
60 drains repaired, cost.....	718.54
Drains, new, repaired and cleared....	$10,925.90

Sewer Construction Account.

SEWERS BUILT.

Street	Location	Type of Construction	Size	Length in Feet	Cost
**Aquidneck	W. French Ave. to Brock Ave.	Pipe	8″, 10″, 12″	1,481.00	$ 1,772.28
Arnold and Jonathan	Reed to Jonathan and Jonathan St.	"	8″, 10″, 12″	951.00	1,298.56
Brock Ave.	Rodman to Capitol	"	8″, 10″	2,829.00	3,486.38
Court	Rockdale Ave. to Reed	"	10″, 18″, 24″	391.00	1,313.36
Cove	Acushnet River to Harbor	"	10″, 15″, 30″, 36″	844.00	4,952.60
* Cove Rd.	(Surface Drain—Easterly 185 ft.)	Concrete	48″x 43″	185.00	2,086.24
* Cannon	Land of N. B. Gas and Edison Lt. Co.	Pipe	15″	500.00	281.57
* Conduit	Hersom northerly—Branscomb St.	"	27″	351.00	445.85
* Belleville Ave.	From Shaw St. northerly 600 ft.	"	10″, 15″, 18″, 24″	627.00	1,272.80
**Front	Pier 3 to Foot of Elm	"	36″	531.00	206.39
Florence	Maxfield St. South	"	10″	232.00	195.50
* Healey, Bates, Conduit	Healey, Bates, Conduit, Shaw, Query, Glennon	"	8″ 10″ 18″ 20″ 22″ 27″	4,044.00	13,043.38
Kempton	West of Rockdale Ave. 250 ft.	"	12″	252.00	434.57
**Lake	Buttonwood Park to Jenny Lind	"	10″	529.00	63.46
**Orchard	Swift to Rivet	Segmental Blocks	48″	630.00	121.72
**Query	Brook St. Easterly	Pipe	8″	266.00	50 95
Rockdale Ave.	Lake to Kempton	"	8″, 10″	1,100.00	2,029.04
**Rhodes Drain Ext.	Pier 4	"	10″	95.00	112.70
Second	50 ft. North of School to Spring.	"	24″–30″	205.00	145.75
Sharp	Rockdale Ave. Westerly	"	10″	278.00	1,215.22
Smith	Shawmut Ave. to Cedar—Relaid—Lowered	"	10″	482.00	1,143.64
Union	Reed St., Easterly	"	8″	210.00	315.68
* North End Sep. Sewer System	In Belleville Rd., Truro St., Acushnet Ave., Hersom, Conduit, Harwich, Wood Sts.	Pipe and Concrete	8″ 10″ 12″ 15″ 22″ 18″ 20″ 24″ 27″ 30″ 36″	1,093.00	43,598 93
* Water	Cove to Delano, in Cove St., Harbor to Water	Pipe	10″, 12″, 15″	1,187.00	19,371.94
* Concord	Shaw St., Southerly 160 ft.	"	8″	190.00	267.49
* Windsor and Katherine	Crapo St., East	"	12″	380.00	255.40

* Unfinished.
**Carried over from 1915.

Total Expenditure.....$ 99,481.40

New Catch - Basin Account.

CATCH BASINS — NEW.

Street	Location	Cost
Acushnet ave.	W. S., N. of Phillips rd.	$157.09
Arnold	N. E. cor. Junior	98.99
Belleville ave.	W. S., 30 ft. S. of Shaw	56.54
	N. W. cor. Hatch	134.88
	S. W. cor. Hatch	59.43
Brook	E. S., bet. Coffin ave. and Dean	112.38
	N. W. cor. Dean	117.94
Cedar	N. W. cor. Willow	91.32
Centre	N. W. cor. Front	92.88
City yard crusher	(Stone pocket)	56.28
Concord	N. W. cor. Query	70.00
County	N. W. cor. Forest	39.27
	S. W. cor. Grinnell	44.69
	W. S., S. of Hawthorn	186.93
	E. & W. sides, cor. of Sherman (2)	158.57
	E. S., N. of Smith	67.35
	N. W. cor. Smith	55.99
Court	N. W. cor. James	98.32
Cove	Cor. of First	15.69
	Cor. of Morton court	130.44
Durfee	N. W. cor. of DeWolf	144.27
	N. E. cor. Vine	99.91
Front	E. S., bet. Hamilton and Centre	185.07
	E. S., S. of Hazzard's lane	89.25
Grinnell	N. W. cor. Front	55.68
Kempton	N. E. cor. Rockdale ave.	68.29
	S. S ,bet. Hussey & Rockdale ave.	104.26
	N. S.,bet. Hussey & Rockdale ave.	94.75
Lombard	N. W. cor. Rockland	104.12
McMurray court	N. W. cor. County	77.80
Penniman	S. W. cor. County	88.45
Pope	N. W. cor. Chestnut	97.50
Rockdale ave.	E. S., bet. Stackhouse & Mathews	26.56
	W.S., bet. Stackhouse & Mathews	19.53
Russell	N. E. cor. County	93.64
Ruth	N. W. cor. E. French ave.	111.12
Sawyer	N. W. cor. Acushnet ave.	151.09
Studley	N. W. cor. County	109.07
	S. W. cor. County	117.87
Washington	N. E. cor. Crapo	83.39
Water	Bet. Cove and Rivet (19)	1,068.23
Wing	N. E. cor. Sixth	92.07
Wood	N. W. cor. Conduit	113.10
	S. W. cor. Edna	95.18
	S. W. cor. Felton	111.36
	N. W. cor. Felton	86.12
	N. W. cor. Vernon S. W. cor. Sowle	173.06
Miscel. charges		111.66
	Total	$5,617.38

Number of catch basins built, 66.

CITY OF NEW BEDFORD, MASS.

Forty-seventh Annual Report

OF THE

NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL

CONTAINING

I

THE REPORT OF THE WATER BOARD FOR 1916

II

THE REPORT OF THE WATER REGISTRAR

III

THE REPORT OF THE SUPERINTENDENT

January 1, 1917.

NEW BEDFORD, MASS.
A. E. COFFIN PRESS, PRINTERS
1917

NEW BEDFORD WATER BOARD

1917

Charles S. Ashley,	*Mayor of City and President of Water Board.*
Harrison T. Borden,	*President of Common Council.*
Lettice R. Washburn,	Term expires June, 1917.
William H. Pitman,	Term expires June, 1918.
Frederic H. Taber,	Term expires June, 1919.

Robert C. P. Coggeshall,	*Clerk of Board and Supt.*
Clifford Baylies,	*Water Registrar.*
Adoniram S. Negus,	*Pumping Engineer.*
John C. DeMello, Jr.,	*Foreman, Distributing System*
Arthur R. Weeks,	*Superintendent's Clerk.*
Damon W. Rice,	*Clerk.*
Rupert Kobza,	"
Warren Tattersall,	*Bookkeeper.*
Frank M. Hamlin,	*Water Registrar's Clerk.*
Alfred Bradley,	*Clerk.*
John B. Wilbur,	*Inspector.*
Gilbert B. Borden, Jr.,	"
Alonzo W. Spooner,	"
Justin C. Perkins,	"
Arthur F. Colwell,	"
Thomas Rawcliffe,	"
Lester F. Spooner,	"
Henry D. Backus,	"
Robert G. Refuse,	"
George Hutchinson,	"
Walter Gardner,	"

REPORT

CITY OF NEW BEDFORD, MASS.,
OFFICE OF THE NEW BEDFORD WATER BOARD,
DECEMBER 30, 1916.

To the City Council of the City of New Bedford:

GENTLEMEN:—In accordance with the provisions of the Water Ordinance, the New Bedford Water Board respectfully submit their forty-seventh annual report. Accompanying it, will be found the reports of the Water Registrar and the Superintendent.

The following abstract, drawn from the report of the Water Registrar, shows the financial operations of the past year in condensed form:

RECEIPTS.

Balance December 1, 1915		$25,572.13
Receipts from water rates	$336,878.45	
Receipts from other sources	35,095.07	371,973.52
		$397,545.65

PAYMENTS.

Management and repairs, less interest, bonds paid, and sinking funds	$119,357.78	
Extension of works	125,057.68	
Interest paid	73,380.00	
Bonds paid	19,000.00	
Sinking funds	27,930.00	$364,725.46
Balance December 1, 1916		32,820.19
		$397,545.65
The actual net outlay given in 1915 was		$4,730,909.48
This should have been less net credits, namely, total credits	$506,278.19	
Less management and repairs credits	53,665.65	$452,612.54
Amount of net outlay as it should be in 1915		$4,278,296.94
Increase in net cost 1916:		
Lands and buildings around ponds	$709.18	
Distribution	78,620.14	
Workshop and pipe yard	24,835.23	$104,164.55
Actual net outlay, 1916		$4,382,461.49

On June 8th, Frederic H. Taber was elected a member of this Board for a term of three years ending June, 1919.

Of the forty petitions for the extension of main pipes received, thirty-eight have been granted, and the main pipes have been extended 2.75 miles.

There appears in our last report a copy of the Legislative Act of 1915 which permits this City to supply metered water to the Town of Acushnet. No movement in the direction of obtaining said supply was taken by the officials of that town during 1915.

The following Legislative Enactment was passed in April last:

[Chap. 258.]

An Act to provide for a board of water commissioners in the town of acushnet.

Be it enacted, etc., as follows:

Section 1. The committee appointed at the last annual town meeting in Acushnet to have charge of the water supply of said town are hereby constituted a board of water commissioners to serve until the regular town meeting in the year nineteen hundred and seventeen, when there shall be elected by ballot three persons to hold office for one, two and three years, respectively, from the date of said town meeting; and at each annual town meeting thereafter, one such commissioner shall be elected by ballot for the term of three years. All the authority granted to the said town by the provisions of general law or by special act in relation to a public water supply, not otherwise specifically provided for, shall be vested in the said water commissioners who shall be subject, however, to such instructions, rules and regulations as the town may impose, by vote.

Section 2. Said commissioners shall fix just and equitable prices and rates for the use of water, and shall prescribe the time and manner of payment. The income of the water works shall be applied to defraying all operating expenses, interest charges and payments on the principal, as the same may fall due, upon any bonds or notes issued under authority of law. If there should be a net surplus remaining after providing for the aforesaid

charges it shall be used for such new construction as the water commissioners may determine upon, and in case a surplus should remain after payment for such new construction the water rates shall be reduced proportionately. No money shall be expended in new construction by the water commissioners except from the net surplus aforesaid, unless the town appropriates and provides money therefor. Said commissioners shall annually, and as often as the town may require, render a report of the condition of the works under their charge and of their doings, including an account of receipts and expenditures.

SECTION 3. This act shall take effect upon its passage.

[*Approved April 18, 1916.*

Shortly after the passage of this Enactment three Water Commissioners were appointed by the Town of Acushnet. They quickly made application for the said supply and these activities resulted in the signing of an agreement on June 2nd. Said agreement is similar in every respect to that adopted in 1915, relative to supplies to the Town of Dartmouth and is jointly signed by the Acushnet Water Commissioners and the members of the New Bedford Water Board. At the same time the following vote was passed:

Voted:—Whereas the City of New Bedford proposes to supply metered water to the Town of Acushnet, under authority granted by Chapter 129, of Legislative Acts of 1915 and Chapter 258 of Legislative Acts of 1916 and upon terms and conditions outlined in an agreement dated June 2, 1916, which has been executed between said City of New Bedford and said Town of Acushnet, it is now,

Ordered:—That the Superintendent be instructed to proceed with the installation of the necessary piping including the meter installation required to deliver water to the Town of Acushnet at a location as near the boundary line as is found to be practical. After the installation of pipes is completed and all terms and conditions have been completed with, the Superintendent shall upon application from the Water Commissioners of the Town of Acushnet deliver the water.

This order has been executed. The supply passes through a six inch Hersey Detector meter located in the pipe line which enters Acushnet on the south side of the "Head of the River" bridge. The Town of Acushnet has installed pipe in the region bounded by Main street upon the north, Slocum Bridge road upon the south, and the Fairhaven road upon the east. The supply was turned on July 15, 1916.

Public hearings were held at the State House, Boston, Mass., on February 2nd, and 9th, before the Legislative Committee on Water Supply, upon petition of Charles H. Vinal and others requesting that permission be given to the City of New Bedford to extend its water supply mains into the territory of the Town of Lakeville. This later resulted in the following state Legislative Enactment.

[Chap. 118.]

An Act to authorize the city of new bedford to extend its system of water supply into the town of lakeville.

Be it enacted, etc., as follows:

Section 1. The city of New Bedford may lay or contract to lay mains, pipes and other works in the town of Lakeville under or along the highway leading northerly from the Lakeville line, on the east side of Long pond, and may supply water therefrom for domestic and other purposes, by means of proper service pipes or other connections, to the owners and occupants of land on either side of the said highway; but all work done in the said town shall be under the direction of its selectmen.

Section 2. The installation of the said mains and connections shall be wholly at the expense of the persons to be supplied with water, and shall not be undertaken until a sufficient contract therefor, with proper surety or sureties, has been executed to the satisfaction of the New Bedford water board, which shall have full charge and control of the work hereby authorized, except as is otherwise provided herein.

Section 3. The takers of water delivered pursuant to the provisions hereof shall pay for the same upon the metered rates established in the city of New Bedford, and

all rules and regulations made by said city, its water board or any other duly authorized authority shall be binding upon the said takers.

SECTION 4. This act shall take effect upon its passage. [*Approved March 1, 1916.*

For several years there has been a growing demand for additional space at the Water Street Workshop enclosure of this department, due to the constantly increasing requirements of the extension and maintenance of the distributing system.

For some time we have had our eyes upon certain adjoining properties, hoping that finally the way would appear whereby they could be acquired for the use of this department.

The opportunity to so do has now been realized. We entered, early this year, upon a serious study of the situation which resulted in the sending of a communication to you with recommendation that the lands hereafter described be condemned by you, and that damages be awarded in each case, and that payments for same be made from the funds of this department. These recommendations had the endorsement of your Committee on Water Works and Water Supply when they were presented to you on May 11th.

The eight parcels of land in question were condemned by you at your meeting of May 11th. An award of damages was made in each case, and an appropriation of $13,175.82 to meet the damages incidental to the taking of these lands was made. This amount to be paid out from the funds of this department.

This appropriation was justified by the provisions of Chapter 263 of the Legislative Acts of 1915 which provides that,

"Whenever the price proposed to be paid for a lot of land for any municipal purpose is more than twenty-five per cent higher than its average assessed valuation during the previous three years, the land shall not be taken by purchase but shall be taken by right of eminent domain, and shall be paid for in the manner provided in the case of land taken for highways."

We therefore prepared a list of the average assessed values of the eight parcels of land in question for the past

three years to which we added twenty-six per cent, in each case. The total is the amount appropriated by you and is shown in the detailed statement below, together with amounts upon which settlements were finally made.

		Land taken sq. rods	Damage awarded	Amount paid for settlement
Parcel I.	E. B. Hammond	16.53	$2,898.00	$5,600.00
" II.	R. Beetle estate	55.00	5,569.20	11,500.00
" III.	J. B. Alves	5.94	1,071.00	.....
" IV.	M. D. Martin	6.15	819.00	.....
" V.	J. B. Alves	14.82	662.76	1,111.50
" VI.	Nathan Burgess est.	16.88	749.70	1,300.00
" VII.	Cynthia F. Boomer	8.24	371.70	471.70
" VIII.	Abram Epstein	6.12	1,034.46	1,250.00
	E. C. Palmer building	...	.....	600.00
		129.68	$13,175.82	

When these awards were made we were all aware that they were too low for actual value received; but under the statute it seemed advisable, as in other takings, to make the awards on the basis of twenty-six per cent above the average assessed value for three years.

After protracted negotiation six settlements have been made for land taken. These settlements were arranged by the City Solicitor on an agreement for judgment filed with a petition in the Superior Court; but in each case were approved at a meeting of the Board. In the settlements on parcels I, II and VI hearings were held by the Water Board at which the claimants were heard and the amount finally agreed upon determined.

If the two remaining settlements are to be made on a similar basis of value, the final cost will be approximately what was estimated at the time of the taking, and in the opinion of the members of the Water Board represents a fair and equitable settlement both for the city and the claimants.

The following are the principal contracts which have been executed this year:

Date. 1916	Contractor.	Supply.	Consideration.
Jan. 21	E. Anthony & Sons, Inc., New Bedford, Mass.	Printing reports	700 complete pamphlets $190.00 400 extra printed sheets $31.75
Feb. 10	Auto Selling & Supply Co., New Bedford, Mass.	¾-ton White motor delivery truck	$2,720.80
Feb. 10	Denby Motor Co., New Bedford, Mass.	¾-ton Reo motor delivery truck	$1,225.00
Feb. 10	Harold L. Bond Co., Boston, Mass.	Jute packing	11c per lb.
Feb. 11	E. Anthony & Sons, Inc., New Bedford, Mass.	Printing books, "Location of Stop Gates"	30 complete books $113.00
Feb. 12	S. C. Lowe Supply Co., New Bedford, Mass.	Frankling touring car	$2,100.00
Mar. 7	Chadwick-Boston Lead Co., Boston, Mass.	Lead pipe	$7.37 per 100 lbs.
Mar. 9	Bruce & Cook, New York, N. Y.	Pig lead	$134.80 per 2,000 lbs.
Mar. 9	The Chapman Valve Mfg. Co., Boston, Mass.	Corporation taps and sidewalk stops	1″ corporation $1.54 ¾″ corporation $1.03 ⅝″ corporation $ .80 1″ sidewalk $1.30 ¾″ sidewalk $ .75 ⅝″ sidewalk $ .60
Apr. 8	C. H. Porter, New Bedford, Mass.	6x6 spruce timber 3x4 spruce timber 2″ cypress timber 1¼″ cypress boards 2″ spruce planks Spruce boards, 6″ wide, any length	$29.50 per M. $29.50 per M. $55.00 per M. $55.00 per M. $29.50 per M. $28.00 per M.
May 10	Addressograph Co., Chicago, Ill.	Hand graphotype Addressograph model 1 B	$125.00 $27.00
July 18	The Adder Machine Co., Wilkes-Barre, Pa.	Wales Adding machine	$300.00
July 29	Sturtevant Garage, New Bedford, Mass.	Ford delivery car Ford delivery car	$607.50 $562.50

Oct. 4	Charles C. Whitman, Boston, Mass.	Railroad ties	Chestnut ties, 72c each
Oct. 9	S. S. Paine & Bro., New Bedford, Mass.	Bricks	$12.00 per M.
Oct. 24	Robertson Motor Car Co., New Bedford, Mass.	Tires	$302.67
Oct. 28	Samuel L. Hand, New Bedford, Mass.	Moving buildings	$1,400.00
Nov. 9	Richards & Co., Inc., Boston, Mass.	Pig lead, 20 tons	$2,953.75
Nov. 28	Fuller Iron Works, Providence, R. I.	C. I. castings	Stop-boxes and covers, 4 9/10c per lb. Gate-boxes and other castings, 3 7/8c per lb.
Nov. 28	The Darling Pump & Mfg. Co., Ltd., Williamsport, Pa.	Water valves	12″ $41.00 10″ $32.00 8″ $22.00 6″ $15.00 4″ $9.00
Nov. 28	R. D. Wood & Co., Philadelphia, Pa.	C. I. pipe and special castings	30″ pipe $37.24 per ton 12″ pipe $37.24 per ton 10″ pipe $38.39 per ton 8″ pipe $38.39 per ton 6″ pipe $38.39 per ton Ordinary special castings $80.00 per ton Special castings with lugs attached $80.00 per ton
Dec. 16	The Darling Pump & Mfg. Co., Ltd., Williamsport, Pa.	Fire hydrants	4 inch 1S 2H $39.00 each 4 inch 1S 2H flange connection with 6″ gate $64.00 each
Dec. 22	The Hersey Mfg. Co., Boston, Mass.	Water meters	5/8″ with couplings $8.40 each 3/4″ with couplings $12.60 each
Dec. 22	The Chapman Valve Mfg. Co., Indian Orchard, Mass.	Fire hydrants	List 82, 1S 2H $44.00 each
Dec. 26	Glauber Brass Mfg. Co., Cleveland, O.	Corporation cocks and sidewalk cocks	1″ corporation $1.80 3/4″ corporation $1.14 5/8″ corporation $1.00 1″ sidewalk $1.85 3/4″ sidewalk $1.15 5/8″ sidewalk $0.88

On June 29th, a contract was made by the Fuel Committee of the City Council with Percy Heilner & Son of Boston, Mass., for fifteen hundred gross tons of best quality either New River or Pocahontas coal, for use at the Little Quittacas Pumping Station, the same to be delivered at Braley's Station, at the rate of $5.33 per gross ton.

Respectfully submitted,

EDWARD R. HATHAWAY,
JOHN H. HOLLIHAN,
LETTICE R. WASHBURN,
WILLIAM H. PITMAN,
FREDERIC H. TABER,
New Bedford Water Board.

REPORT OF THE WATER REGISTRAR

CITY OF NEW BEDFORD,
WATER REGISTRAR'S OFFICE,
DECEMBER 1, 1916.

To the New Bedford Water Board:

GENTLEMEN:—I herewith present to you a detailed statement of the receipts and expenditures of the Water Works Department for the year ending at this date.

RECEIPTS.

Balance December 1, 1915,		$25,572.13
Receipts for Water:		
Rates, domestic meters,	$166,473.25	
Rates, domestic estimated,	1,214.75	
Rates, building purposes,	2,419.00	
Meter rentals,	10,926.70	
	$181,033.70	
Domestic fixtures rebated,	7.52	
Total domestic,	$181,026.18	
Rates, manufacturing meters,	155,785.55	
Rates, manufacturing estimated,	66.72	
		$336,878.45
Other receipts:		
Services,	$6,112.14	
Mains,	9,208.17	
Meters,	5,243.04	
Mill piping,	329.78	
Lands, buildings, etc.,	489.95	
Gypsy Moth,	11,882.18	
Forestry operations,	530.08	
Roads, walls, fences,	34.00	
Workshop,	60.01	
Sealing mill fixtures,	157.57	
Maintenance of horses,	268.92	
Quittacas Pumping Station,	178.05	
Fines,	99.00	

Railroad,	446.00		
Miscellaneous,	1.05		
Mt. Pleasant Reservoir,	55.13		
		$35,095.07	$371,973.52
Total,			$397,545.65
Expenditures for the year ending Dec. 1, 1916,			364,725.46
Balance cash in treasury Dec. 1, 1916,			$32,820.19

EXPENDITURES.

Management and Repairs:		
Superintendent's department, salaries,		$10,280.66
Water Registrar's department, salaries,		12,824.66
Pumping expenses, engineers, firemen and watchmen:		
Salaries and labor,	$11,463.75	
Fuel,	8,599.24	
Oil, waste, packing and lighting,	716.45	
Tools and other supplies,	479.02	
Repairs of engines,	303.97	
Repairs of boilers,	321.48	
Other repairs,	1,739.70	
Buildings and grounds,	594.58	
Miscellaneous,	171.95	24,390.14
Mains:		
Cast iron pipe,	$509.08	
Stop gates,	642.69	
Hydrants,	621.80	
Flushing and inspecting,	635.58	2,409.15
Services:		
Pipe,	$578.57	
Renewing and driving stop-boxes,	462.61	
Clearing stops, taps and pipe,	328.98	
Water cart hydrants,	15.03	1,385.19
Fountains:		27.72
Meters:		5,555.49
General Maintenance:		
Printing, stationery, advertising, and postage,		2,298.26
Carfares, express, telephone, telegraph,		1,006.57
Horses, carriages and automobiles,		17,192.36
Labor at workshop,		2,603.85
Materials at workshop,		315.83
Fuel and lighting at workshop,		462.39
Repairs, workshop, buildings and pipe yard,		706.10
Miscellaneous,		366.74

Lands, buildings, taxes,		1,640.30	
Roads, walls, fences,		3,829.90	
Forestry, nursery,		112.07	
Forestry, cutting and planting,		4,623.06	
Gypsy moth,		16,604.51	
Little Quittacas pond and intake,		873.07	
48-inch steel force main,		833.21	
High Hill reservoir,		886.54	
Storing reservoir and surroundings,		753.41	
Conduit,		5.58	
Receiving reservoir,		193.22	
Mt. Pleasant distributing reservoir,		288.14	
Engineer's house,		85.30	
Railroad,		4,923.54	
Purchase street station,		869.36	
Sealing fixtures,		364.06	
Industrial accident account,		647.40	
		$119,357.78	
Interest paid,	$73,380.00		
Bonds paid,	19,000.00		
Sinking funds,	27,930.00	$120,310.00	$239,667.78

EXTENSIONS.

Mains:			
Main pipe and special castings,	$38,567.86		
Stop gates,	4,329.80		
Hydrants,	1,359.53		
Lead and gasket,	5,529.42		
Tools,	4,306.21		
All other supplies,	7,851.69		
Freight and carting,	48.89		
Labor,	20,781.77	$82,775.17	
Services:			
Pipe,	$5,202.32		
Taps and stops,	939.94		
All other supplies,	1,483.22		
Labor,	5,028.73		
Plumbing,	782.41	13,436.62	
Meters:			
Cost of meters,	$2,394.30		
Cost of setting,	572.97	2,967.27	
Mill piping,		334.21	
Land and buildings around ponds,		709.18	
Workshop and pipe yard improvements,		9,202.03	
Land for workshop and pipe yard,		15,633.20	125,057.68
Total expenditures for the year,			$364,725.46
Whole outlay on the works to this date,			$8,805,250.03
Balance December 1, 1916,			32,820.19
			$8,838.070.22

EXPENDITURES FROM THE BEGINNING OF THE WORKS.

	Payments.	Credits.	Net.
Conduit,	$205,391.80	$592.50	$204,799.30
Dam,	18,845.24		18,845.24
Distributing reservoir,	65,292.66	2,209.76	63,082.90
Standpipe,	6,109.93		6,109.93
Distribution,	2,180,460.29	463,077.16	1,717,383.13
Engine house,	97,798.95		97,798.95
Engines,	81,234.47		81,234.47
Storing reservoir,	60,958.71		60,958.71
Receiving reservoir,	31,959.47		31,959.47
Pump well and culvert,	16,561.41		16,561.41
White homestead,	4,000.00		4,000.00
Peckham road,	512.00		512.00
Preliminary outlay,	2,605.34		2,605.34
Engine trial,	3,799.95		3,799.95
Engineering,	23,511.88		23,511.88
Salaries of Commissioners,	9,225.00		9,225.00
Engine house lot,	17,152.89		17,152.89
Incidentals,	7,843.18		7,843.18
Management and repairs,	1,846,782.73	67,867.59	1,778,915.14
Fountains,	1,919.62	100.00	1,819.62
Coal shed,	2,972.56		2,972.56
Inspectors,	5,570.39		5,570.39
Connection with Little Quittacas,	23,503.76		23,503.76
Workshop,	5,598.75	5,598.75	
Land, State street,	350.00		350.00
Land, No. Water street,	900.00	900.00	
Preliminary, further supply,	5,158.57	26.25	5,132.32
Engineer's house, Little Quittacas,	9,568.51		9,568.51
Workshop and pipe yard, No. Water St.,	61,494.10	1,001.25	60,492.85
Garage, No. Water St.,	7,095.25		7,095.25
Further supply, incidentals,	28,922.48		28,922.48
Lands and buildings around ponds,	119,003.46		119,003.46
Pumping station and conduit connection,	362,049.49		362,049.49
Force main,	376,046.47		376,046.47
High Hill reservoir,	181,405.06		181,405.06
Distributing main from High Hill,	166,076.33		166,076.33
Railroad,	73,631.64		73,631.64
Telephone lines,	2,168.64		2,168.64
Dam at Pocksha Pond,	26,020.70		26,020.70
Duplicate supply main, 1910,	250,836.65		250,836.65

Special extensions, 1911,	151,391.78		151,391.78
Special extensions, 1912,	161,019.78		161,019.78
	$6,702,749.89	$541,373.26	$6,161,376.63
Interest paid, $941,328.14			
Bonds paid, 572,000.00			
Sinking funds, 589,172.00	2,102,500.14		2,102,500.14
	$8,805,250.03	$541,373.26	$8,263,876.77

The receipts from the commencement of the works have been as follows, viz:

Appropriations by City Council,		$1,038,000.00
Further supply,		1,316,639.60
Duplicate supply main, 1910,		250,836.35
Special extensions, 1911,		151,391.78
Special extensions, 1912,		161,019.78
Receipts for water,	$5,417,292.58	
Receipts from other sources,	541,373.26	5,958,665.84
		$8,876,553.65
Less water receipts used by City Council in 1913,		38,483.43
		$8,838,070.22
Deduct total outlay,		8,805,250.03
Balance as above December 1, 1916,		$32,820.19

Outlay,	$8,805,250.03	
Less credits,	541,373.26	$8,263,876.77
Management and repairs,	$1,846,782.73	
Less credits,	67,867.59	
	$1,778,915.14	
Interest paid,	941,328.14	
Bonds paid,	572,000.00	
Sinking funds,	589,172.00	3,881,415.28
Actual net cost of works,		$4,382,461.49
Water receipts,		$5,417,292.58
Deduct management and repairs, debt, interest and sinking funds,	$3,881,415.28	
Amount used by City Council in 1913,	38,483.43	3,919,898.71
Water receipts applied to construction,		$1,497,393.87

The funds for the construction of these works have been derived from the following sources:

Investment of Sylvia Ann Howland educational bequest,	$100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Received from sale of bonds,	815,000.00
Net receipts applied to construction,	1,497,393.87
Appropriation for construction in 1885,	23,000.00
Net proceeds of bonds, etc., sold, further supply,	1,316,639.60
Net proceeds of bonds, etc., sold, duplicate supply main, 1910,	250,836.65
Net proceeds of bonds, etc., sold, special extensions, 1911,	151,391.78
Net proceeds of bonds, etc., sold, special extensions, 1912,	161,019.78
	$4,415,281.68
Deduct balance, 1916,	32,820.19
Cost of works as stated above,	$4,382,461.49

The water debt to date is as follows:

Water bonds, 4 per cent.,			$140,000.00
Water bonds, 4 per cent., (further supply),			1,200,000.00
Water bonds, 4 per cent., (duplicate supply main),			192,000.00
Water bonds, 4 per cent., (special extensions, 1911),			125,000.00
Water bonds, 4 per cent., (special extensions, 1912),			136,000.00
Water bonds, 3½ per cent.,			48,000.00
Sylvia Ann Howland bequest, 6 per cent.,			100,000.00
Total,			$1,941,000.00
Less sinking funds in treasury			
No. 9	$20,000.00 bonds due April 1, 1918,	$20,000.00	
No. 23	$120,000.00 bonds due April 1, 1924,	90,963.69	
No. 24	$200,000.00 bonds due Dec. 15, 1924, $400,000.00 bonds due April 1, 1926, $600,000.00 bonds due Jan. 1, 1927,	772,582.32	
No. 38	$48,000 bonds due June 1, 1930,	27,138.50	910,684.51
Net water debt, Dec. 1, 1916,			$1,030,315.49
Outlay for debt and management and repairs in 1916,			$239,667.78
Outlay for extensions in 1916,			125,057.68
			$364,725.46
Less receipts other than water rates,			35,095.07
Net expenditures in 1916,			$329,630.39

Water receipts in 1916,	$336,878.45
Water receipts in 1915,	304,717.29
Increase in 1916,	$32,161.16

Received from City Departments:

Water rates,	$10,524.21
Miscellaneous amounts, labor, material, etc.,	2,803.41

There remains unpaid of 4 per cent interest for the calendar year 1915, $80.00, and the calendar year 1916, $2,240.00.

Respectfully submitted,

CLIFFORD BAYLIES,

Water Registrar.

REPORT OF SUPERINTENDENT.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
DECEMBER 1, 1916.

To the New Bedford Water Board:

Gentlemen:—The forty-seventh annual report of the Superintendent, for the year ending November 30, 1916, is herewith submitted:

Copies of the rainfall records at the Little Quittacas Pumping Station, and at the Long Plain Storage Reservoir appear upon the following pages.

The quality of the water continues to be excellent. The result of chemical examinations, of samples taken at various locations indicated is given in the following pages. This information is supplied by the State Department of Health, X. H. Goodnough, Chief Engineer.

RAINFALL IN NEW BEDFORD — 1916

Engineering Department at centre of City—E Total for year 44.95 inches
L. J. Hathaway Jr. at Clifford Post Office—H " 46.38 "
Acushnet Storing Station of N.B. Water Works—A " 53.22 "
Quittacus Pumping Station at Quittacus Pond—Q " 46.79 "

	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				
	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	E	H	A	Q	
1	0.20	0.20	0.65		0.20	0.14	0.15	0.20																																								1
2	0.39	0.48		0.75	0.14				0.17	0.14		0.20																													0.03		0.05	0.05	0.09				2
3					0.90	1.13	1.10	1.08			0.35										0.60			0.64	0.75	0.50	0.17	0.81																					3
4									0.17	0.60	2.00	0.67	0.07				0.04	0.05		0.15	0.01	0.61	0.58																										4
5	0.12		0.18	0.17		0.01							0.11	0.10		0.20		0.05			0.02	0.04				0.01		0.02													0.05	0.06	0.10	0.10				0.07	5
6	0.04	0.08										0.53					0.23	0.11		0.17		0.02										0.10																6
7									0.57	0.60	1.53		0.03	0.08		0.10		0.01			0.18																												7
8							0.55		0.48	0.33		0.40					0.09	0.29		0.20	0.23	0.29	0.14							0.03		0.31			0.03													8
9					0.36	0.23		0.22					0.63	0.55	0.82	0.53			0.48		0.18				0.84	0.14		0.26	0.02				0.13	0.05									0.20	0.22	0.24	0.28	9
10	0.60	0.65	0.83	0.63					0.08	0.05											0.51	0.77	0.85		0.60	0.28	0.25	0.26	1.63	0.82	1.78	0.40											0.01				10
11																					0.23	0.25		1.35	0.11			0.06	0.01	0.04													0.11				11
12	0.02				0.19	0.20							0.29	0.24	0.48	0.12					0.01		0.11						0.15	0.15		0.21							0.18				0.49	0.57	0.58	0.58	12
13		0.05		0.09	0.28	0.63			0.24	0.21		0.42									0.25				0.75		3.38	2.28	0.04	0.06		0.18					0.22	0.47		0.40	0.02	0.18						13
14							1.68	0.86					0.84		0.98		0.02								0.04	2.27											0.08				0.04	0.03	0.17	0.17					14
15													0.02	0.93		0.89	0.69	0.50	0.45	0.39															0.11	0.35		0.45				0.01				0.20	0.78	0.77	0.64	15
16		0.05		0.06					0.50	0.65	0.93	0.65					0.07	0.02																	0.28		0.88		0.42	0.16		0.16				0.20				16
17	0.02	0.05							0.08	0.06	0.03	0.10	3.17	2.96	3.60	2.88					1.33	1.50		1.57	0.06	0.40	0.37	0.48									0.09					0.14			0.35	0.33	0.26	0.26					17
18					0.19	0.12	0.48	0.05													0.01		1.64																										18
19										0.01											0.01	0.01													0.05	0.05		0.15	1.06										19
20		0.01		0.10	0.01	0.05											0.05	0.20	0.18	0.10	0.01				0.16												1.04	2.17		1.96									20
21												0.05		0.01							0.33	0.25		0.35	0.67	1.00	1.11	1.27									0.32	0.33		0.27				0.28					21
22	0.07	0.05		0.08					0.68	0.66	0.83	0.60	0.42										0.28		0.11																			0.84	1.25	1.22	1.22	22
23								0.17					0.06	0.53	0.93										4.37		5.20	4.60					0.07	0.06		0.05				1.24	1.15							23
24					0.06								0.01			0.73	0.01								0.23	5.49		0.10														1.16	1.17						24
25					1.33	1.70	1.24						0.06								0.70	0.87		0.77	0.07	0.06	0.18						0.01																25
26					0.19		0.45	1.63					0.30	0.32	0.38	0.40					0.04		0.90		0.35	0.84	0.93	0.67									0.23	0.22		0.30									26
27	0.02	0.02											0.13								0.01	0.02			0.28	0.21	0.20	0.24	0.17	0.18													0.17					27
28													0.71	1.02	1.18	1.20	0.05	0.02			0.04	0.02		0.17					0.08	0.05	0.18	0.15									0.22	0.33	0.33	0.30	28
29																	0.93	0.60	0.57	0.57													0.91			0.77											29
30	0.15		0.39	0.07						0.02		0.05					0.04	0.02															0.01	0.78	1.05					1.32	1.37	1.44	1.46					30
31		0.14															0.15	0.20		0.20								0.07																			31
TOTAL	1.63	1.78	2.05	1.95	3.85	4.21	5.65	4.21	2.89	3.27	5.64	3.57	3.76	3.84	4.80	4.27	5.53	5.04	5.28	4.66	4.70	4.65	4.50	4.85	9.39	11.20	11.79	11.12	2.10	1.33	1.96	1.25	1.68	1.30	1.93	1.52	3.37	3.47	3.30	3.09	3.24	3.12	3.18	3.21	2.81	3.15	3.14	3.09	TOTAL

†Estimated amount of rainfall

Rainfall at Quittacas Pumping Station for 1916.

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		.20									.05	
2	.75		.20									
3		1.08				.64	.81					
4			.67		.15							
5	.17			.20			.02				.10	.07
6			.53		.17				.10			
7				.10								
8			.40		.20			.31				
9		.22		.53			.26					.28
10	.63						.26	.40				
11						1.35	.06					
12				.12				.21				.58
13	.09		.42				2.28	.18		.40		
14		.86									.17	
15				.89	.39				.45			.64
16	.06		.65							.16		
17				.10	2.88	1.57	.48				.26	
18		.05										
19									.15			
20	.10				.10					1.96		
21			.05			.35	1.27			.27		
22	.08		.60									1.22
23		.17					4.60		.05			
24				.73			.10				1.17	
25						.77						
26		1.63		.40			.67			.30		
27							.24					
28				1.20		.17		.15				.30
29					.57				.77			
30	.07		.05								1.46	
31					.20		.07					
Totals	1.95	4.21	3.57	4.27	4.66	4.85	11.12	1.25	1.52	3.09	3.21	3.09

Total fall for the year 46.79

Rainfall at Acushnet Storing Reservoir for 1916.

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.65	.15									.05	
2												
3		1.10	.35				.17					
4			2.00			.58						
5	.18										.10	
6												
7			1.53									
8		.55				.14						
9				.82	.48							.24
10	.83					.85	.25	1.78				
11												
12				.48		.11						.58
13							3.38					
14		1.68		.98							.17	
15					.45							.77
16			.93						.88			
17				.03	3.60		.37				.26	
18		.48				1.64						
19												
20					.18							
21.							1.11					
22			.83			.28						1.22
23				.93			5.20					
24											1.16	
25		1.24					.18					
26		.45		.38		.90	.93					
27							.20					
28				1.18				.18				.33
29					.57							
30	.39								1.05			
31											1.44	
Totals	2.05	5.65	5.64	4.80	5.28	4.50	11.79	1.96	1.93		3.18	3.14

Total fall for the year 49.92 inches

WATER ANALYSIS — STATE BOARD OF HEALTH. PARTS IN 100,000.

Number	Date of Collection	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA				Chlorine	Hardness	Iron
		Turbidity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Albuminoid					
									Total	In solution	In suspension			
	1916													
*128967	Jan. 24	V. slight	V. slight	.40	4.75	2.00	2.75	.0026	.0412	.0360	.0052	.67	0.8	.021
†128968	Jan. 24	V. slight	V. slight	.41	5.05	2.15	2.90	.0022	.0204	.0192	.0012	.62	0.8	.012
‡128969	Jan. 24	None	V. slight	1.18	6.05	3.00	3.05	.0020	.0214	.0204	.0010	.55	0.8	.025
*129907	Mar. 27	V. slight	V. slight	.49	4.60	2.30	2.30	.0022	.0236	.0196	.0040	.65	1.1	.012
†129908	Mar. 27	V. slight	V. slight	.45	4.20	1.95	2.25	.0036	.0200	.0194	.0006	.65	1.0	.012
‡129909	Mar. 27	None	V. slight	1.05	4.60	2.30	2.30	.0018	.0184	.0176	.0008	.55	0.6	.015
*130992	May 29	None	V. slight	.68	4.35	2.15	2.20	.0046	.0176	.0166	.0010	.56	0.8	.010
†130993	May 29	None	V. slight	.62	3.65	1.50	2.15	.0016	.0192	.0158	.0032	.56	0.6	.012
‡130996	May 29	None	V. slight	3.00	7.55	5.00	2.55	.0040	.0452	.0428	.0024	.46	1.1	.055
*132261	July 31	V. slight	Slight	.70	3.25	1.75	1.50	.0060	.0186	.0160	.0026	.50	0.9	.020
†132262	July 31	V. slight	Slight	.70	5.20	2.40	2.80	.0064	.0176	.0172	.0004	.48	1.0	.010
‡132263	July 31	V. slight	Slight	4.50	10.25	6.80	3.45	.0036	.0584	.0504	.0080	.38	1.7	.080
*133618	Oct. 6	None	V. slight	.70	3.00			.0036	.0212	.0186	.0026	.54	1.0	.018
†133619	Oct. 6	V. slight	V. slight	.70	5.45			.0022	.0240	.0218	.0022	.54	1.0	.018
‡133620	Oct. 5	V. slight	Slight	1 40	6.75			.0094	.0430	.0362	.0068	.84	1.6	.046

These samples were collected from Great Quittacas Pond. *Surface. †Bottom.
‡Collected from Black Brook which empties into Great Quittacas Pond.

Scale of Color:—0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint

WATER ANALYSIS—STATE BOARD OF HEALTH.

Parts in 100,000.

Number	Date of Collection	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA				Chlorine	Hardness	Iron
		Turbidity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Albuminoid					
									Total	In solution	In suspension			
	1916													
*128965	Jan. 24	V. slight	V. slight	.37	4.65	1.75	2.90	.0018	.0296	.0256	.0040	.64	1.0	.021
†128966	Jan. 24	V. slight	V. slight	.36	4.55	1.50	3.05	.0022	.0202	.0160	.0042	.64	1.0	.030
*129905	Mar. 27	V. slight	V. slight	.40	4.20	1.20	3.00	.0032	.0218	.0174	.0044	.62	1.1	.028
†129906	Mar. 27	V. slight	Slight	.37	3.80	1.30	2.50	.0018	.0260	.0184	.0076	.63	1.1	.030
*130994	May 29	V. slight	V. slight	.40	4.70	2.50	2.20	.0056	.0182	.0148	.0034	.54	1.0	.018
†130995	May 29	V. slight	V. slight	.40	3.95	1.70	2.25	.0044	.0236	.0180	.0056	.55	0.8	.020
*132259	July 31	V. slight	Slight	.55	5.25	2.75	2.50	.0078	.0174	.0166	.0008	.53	0.8	.025
†132260	July 31	V. slight	Slight	.50	4.60	1.90	2.70	.0068	.0172	.0160	.0012	.52	0.8	.025
*133616	Oct. 6	V. slight	V. slight	.53	5.15			.0048	.0206	.0190	.0016	.54	1.3	.020
†133617	Oct. 6	V. slight	Slight	.47	5.10			.0046	.0244	.0182	.0062	.56	1.0	.036

These samples were collected from Little Quittacas Pond.
* Surface. † Bottom.

Scale of Color:—0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint.

WATER ANALYSIS—STATE BOARD OF HEALTH.

Parts in 100,000

Number	Date of Collection	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA				Chlorine	Hardness	Iron
		Turbidity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Albuminoid					
									Total	In solution	In suspension			
	1916													
*128970	Jan. 24	None	V. slight	1.42	6.40	2.90	3.50	.0016	.0244	.0234	.0010	.58	1.0	.048
128971	Jan. 24	V. slight	V. slight	.70	4.85	2.00	2.85	.0020	.0218	.0200	.0018	.59	0.6	.028
*129910	Mar. 27	None	None	1.20	4.80	2.60	2.20	.0008	.0186	.0170	.0016	.49	0.8	.030
129911	Mar. 27	V. slight	Slight	Turbid 1.05	4.35	2.25	2.10	.0028	.0356	.0256	.0100	.59	0.6	.035
*130997	May 29	None	V. slight	2.25	5.70	3.50	2.20	.0034	.0290	.0248	.0042	.42	0.5	.060
130998	May 29	None	V. slight	1.10	4.20	2.45	1.75	.0042	.0192	.0174	.0018	.45	0.6	.020
*132264	July 31	V. slight	Slight	3.20	8.50	6.25	2.25	.0080	.0440	.0424	.0016	.36	0.7	.120
132265	July 31	V. slight	Slight	1.36	4.75	2.90	1.85	.0056	.0312	.0232	.0080	.44	0.8	.040
*133621	Oct. 5	V. slight	V. slight	.85	4.05			.0054	.0208	.0178	.0030	.54	0.3	.028
133622	Oct. 5	V. slight	V. slight	1.10	5.00			.0062	.0248	.0236	.0012	.50	0.6	.050

These samples were collected from Long Pond.

*Collected from Fall Brook which empties into Long Pond.

Scale of Color:—0—Colorless.
1—Yellowish brown tint.
2—Deep yellowish brown tint.

WATER ANALYSIS—STATE BOARD OF HEALTH.

Parts in 100,000.

Number	Date of Collection	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA				Chlorine	Hardness	Iron
		Turbidity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Albuminoid					
									Total	In solution	In suspension			
	1916													
128962	Jan. 24	None	V. slight	1.02	5.20	2.60	2.60	.0020	.0232	.0204	.0028	.55	1.0	.040
129912	Mar. 27	V. slight	V. slight	1.20	4.80	1.90	2.90	.0014	.0236	.0208	.0028	.58	1.1	.060
130999	May 29	None	V. slight	2.50	6.55	3.40	3.15	.0054	.0330	.0292	.0038	.40	0.6	.035
132168	July 27	Slight	Slight	2.90				.0044	.0428	.0400	.0028	.29	1.1	.130
133547	Oct. 3	None	V. slight	1.98	6.15			.0072	.0384	.0372	.0012	.56	0.8	.090

These samples were collected from Old Storage Reservoir

Scale of color:—0—Colorless
1—Yellowish brown tint
2—Deep yellowish brown tint

The surface of Great Quittacas Pond has varied from elevation 49.60 on January 16th to elevation 52.38 on July 27th. At this date it is at elevation 50.45.

The surface of Little Quittacas Pond has varied from elevation 45.30 on January 2nd to elevation 49.65 on July 27th. At this date it is at elevation 48.96.

The forestry operations, under the direction of F. W. Rane, State Forester and his assistant P. D. Kneeland, were continued until the middle of last March. The camp of last winter was located on the north side of the North Rochester Road, east of Long Plain Road. The saw mill was placed on the south shore of Great Quittacas Pond. The territory covered by the State Forester's operations was mainly Great Island and the lands bordering upon the southerly shore of Great Quittacas Pond. The camp was continued until the middle of March, when the activities were naturally drawing to a close. Fully 1,200 cords of wood had then been cut and about 600,000 feet of lumber sawed, all of which has or will be quickly sold by the State officials. In May and June an extensive operation of spraying groups of infested trees with a solution of arsenate of lead was conducted with good results.

The distributing mains have been increased 22,767 feet and 8,269 feet pipe laid in previous years have been removed. The total length of distributing mains at this date is 168.30 miles.

The thirty inch Encircling Main is now finished to a point in Acushnet Avenue 267 feet north of Willis Street. The installation of this year includes that portion in Second Street, from Union north through Second, Water and Acushnet Avenue, to the terminus named above. To complete the entire plan calls for the installation of that section in Acushnet Avenue from terminus named above to Logan Street, thence in Logan Street to Bowditch and in Bowditch north to terminus a short distance south of Cornell Place, where it will connect with the present thirty inch main running south in Bowditch Street. I recommend that this section be installed the coming year.

The execution of your order to provide a supply to the Town of Acushnet required the placing of a large supply main connecting the New Bedford pipes in Tarkiln Hill Road with those of Acushnet upon the opposite side

of the river. This supply pipe crosses the river upon the south side of the Acushnet bridge and a six inch Hersey Detector meter is installed thereon upon the New Bedford side. This supply was turned on for the first time on July 15, 1916.

There have been fourteen leaks upon the mains the past year as herewith shown:

Date	Size	Locations	Cause	Cost
1916.				
Feb. 18	2 in.	N. B. & Fairhaven bridge, W. of draw at Fish Island	Pipe burst	$42.18
Mar. 14	6 in.	Purchase st., at hydt., S.E. cor. Deane	Joint started	9.74
Apr. 6	8 in.	Shawmut ave., north of Topham	Joint started	4.38
Apr. 11	4 in.	Bonney st., north of Rockland	Joint started	4.65
Apr. 12	6 in.	Delano st., west of Second	Joint started	13.61
July 18	4 in.	Washburn st., west side Belleville ave. branch	Joint started	5.80
July 18	12 in.	Acushnet ave., north of Willis	Joint started	4.28
July 19	8 in.	Orchard st., south of Rivet	Joint started	4.85
July 27	6 in.	Palmer st., north of Court	Joint started	5.75
Aug. 3	16 in.	Tarkiln Hill rd., west of Acushnet ave.	Joint started	5.97
Aug. 17	8 in.	Second st., at gate south line Potomska	Joint started	19.27
Sept. 4	16 in.	Tarkiln Hill rd., west of Acushnet ave.	Joint started	5.37
Sept. 20	16 in.	Tarkiln Hill rd., west of Acushnet ave.	Joint started	5.54
Sept. 20	16 in.	Acushnet ave., south of Pontiac	Joint started	5.54

Four hundred twenty-three feet of small sized distribution pipe (less than four inch) has been laid and sixteen feet of that previously laid has been removed. The total length now in use is 6,207 feet.

Ninety-two new stop gates have been set and twenty-eight of those previously set have been removed. The total number now in use is 2,271.

Two new small sized stop gates have been set and two of those previously set have been removed. The total number now in use is 109.

Twelve new waste gates have been set and two of those previously set have been removed. The total number now in use is 178.

Twenty-five new stop gates for private supplies have been set and three of those previously set have been removed. The total number now in use is 368.

Nine new air taps have been set. The total number now in use is 179.

Seventy-four new hydrants have been set and thirty-one of those previously set have been removed. The total number now in use is 1,393.

Two watering cart hydrants of those previously set have been removed. The total number now in use is 71.

Three hundred eighty-four new service pipes have been laid and twenty-eight of those previously laid have been removed. The total number now in use is 15,126.

One hundred twenty-three service taps have been cleaned as follows: Sediment, 111; rust, 6; trouble inside, 6.

The total number of meters set in 1916 was	429
Number removed	88
To be added	341
Number in use December 1, 1915	14,140
Number in use December 1, 1916	14,481

This list may be divided as follows:

Manufacturing supplies	232	
Domestic supplies	14,249	
		14,481

The following is a list of the different makes of meters in commission: Crown, 215; Empire, 207; Empire Compound, 13; Nash, 423; Gem, 6; Trident Compound, 13; Trident Crest, 16; Trident Disc, 225; Hersey Torrent, 16; Hersey Rotary, 95; Hersey Disc, 3,392; Hersey Compound, 4; Hersey Compound Proportional, 1; Hersey Detector, 7; Watch Dog, 5; Union Rotary, 114; King, 7,303; Lambert, 1,273; Thompson, 3; Worthington Turbine, 2; Worthington Disc, 1,143; Keystone, 5.

Maintenance of Meters During Year 1916.

Size.	Repaired. Frozen.	Other Repairs.	Total Number Repaired.	Cost.	Average cost per meter.	Cleaned and Tested Only. Total number cleaned and tested.	Cost.	Average cost per meter.	Total number repaired, cleaned, and tested.	Total Cost.
6 inch	0	5	5	$25.66	$5.13	4	$22.04	$5.51	9	$47.70
4 inch	0	17	17	176.54	10.38	19	87.83	4.62	36	264.37
3 inch	0	5	5	67.73	13.54	6	24.78	4.13	11	92.51
2 inch	0	9	9	36.04	4.00	25	88.99	3.56	34	125.03
1 ½ inch	0	0	0	0.00	0.00	3	8.85	2.95	3	8.85
1 inch	3	24	27	115.59	4.28	10	10.60	1.00	37	126.19
¾ inch	17	83	100	251.40	2.51	76	80.80	1.06	176	332.20
⅝ inch	210	747	957	2,304.95	2.41	630	659.40	1.04	1,587	2,964.35
Totals,	230	890	1,120	$2,977.91		773	$983.29		1,893	$3,961.20

Following is a complete list of the drinking fountains now in use:

1.	West French ave., at Cove st	3 Faucets
2.	Bolton st., at junction of Rivet st	3 Faucets
3.	Sixth st., at junction of County st	4 Faucets
4.	Allen st., at junction of Dartmouth st	3 Faucets
5.	Front st., at corner of School st	3 Faucets
6.	Union st., at corner of Bethel st	3 Faucets
7.	Hathaway rd., 1,964 ft. east of Rockdale ave.	Horse bowl
8.	Kempton st., at junction of Mill st	3 Faucets
9.	County st., at corner of Smith st	Nash
10.	Shawmut ave., at corner of Durfee st	3 Faucets
11.	Acushnet ave., at junction of Weld st	3 Faucets
12.	Acushnet ave., south of Tarkiln Hill rd	3 Faucets
13.	Belleville rd., between Acushnet ave. and No. Front st	3 Faucets
14.	Acushnet ave., at junction of Water st	4 Faucets
15.	Acushnet ave., at corner of Braley rd	2 Faucets

Consumption of Water.

1916.	Monthly Consumption.				
	New Bedford.	Dartmouth.	Acushnet.	Total.	Daily Average Consumption.
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
January	253,416,240	204,750	.....	253,620,990	8,181,322
February	229,421,568	198,750	.....	229,620,318	7,917,942
March	251,243,764	189,000	.....	251,432,764	8,110,734
April	232,016,520	212,250	.....	232,228,770	7,740,959
May	253,267,314	338,250	.....	253,605,564	8,180,824
June	255,801,140	459,750	.....	256,260,890	8,542,029
July	261,753,692	562,500	95,250	262,411,442	8,464,885
August	286,951,260	585,000	141,000	287,677,260	9,279,911
September	275,101,110	474,750	146,250	275,722,110	9,190,737
October	279,654,412	457,500	124,500	280,236,412	9,039,884
November	264,916,372	399,750	101,250	265,417,372	8,847,246
December	273,340,034	394,500	196,500	273,931,034	8,836,485
Totals	3,116,883,426	4,476,750	804,750	3,122,164,926	
Averages				260,180,410	8,530,505

Maximum daily consumption, August 21st, 11,761,408 gallons

Minimum daily consumption, July 23rd, 3,894,954 gallons

Average daily consumption, 6 A. M. to 6 P. M., 5,885,517 gallons

Average night consumption, 6 P. M. to 6 A. M., 2,644,987 gallons

The amount of water consumed, shown on above table, includes the supplying of about 9.4233 miles of distribution pipes located in the adjoining towns of Dartmouth and Acushnet. Dartmouth supplies 730 consumers through 146 taps. Acushnet supplies 390 consumers through 78 taps.

Comparison of the Consumption of the Year 1916 With the Record of the 34 Previous Years.

Year	Estimated Population	Estimated number of consumers	Number of taps	Total number of gallons consumed	Average daily consumption	Gallons per day to each inhabitant	Gallons per day to each consumer	Gallons per day to each tap	Number of meters
1882	28,500	20,424	4,203	859,119,622	2,326,352	82	114	553	41
1883	30,000	22,249	4,465	849,059,700	2,326,191	78	105	521	49
1884	33,000	23,749	4,691	867,815,595	2,371,080	72	100	506	60
1885	33,700	25,375	4,965	1,049,801,050	2,876,167	85	113	579	67
1886	34,500	28,480	5,225	1,086,534,615	2,976,807	86	104	569	82
1887	36,000	30,080	5,495	1,112,302,789	3,047,404	85	101	555	102
1888	37,500	31,826	5,785	1,229,841,794	3,360,223	89	109	581	108
1889	40,000	34,000	6,104	1,310,488,214	3,590,379	90	106	588	120
1890	41,500	35,740	6,394	1,485,143,213	4,066,200	98	114	636	123
1891	45,000	38,500	6,742	1,513,161,482	4,145,648	92	108	615	135
1892	50,000	41,776	7,134	1,607,955,166	4,393,320	88	105	616	144
1893	55,000	44,158	7,531	1,824,275,536	4,998,015	99	113	664	172
1894	56,000	44,661	7,767	1,747,167,532	4,786,760	85	107	616	221
1895	56,300	46,154	8,027	1,719,830,979	4,711,866	84	102	587	254
1896	59,000	48,570	8,447	1,924,800,313	5,259,017	89	108	623	366
1897	60,000	50,000	8,860	2,071,702,478	5,675,897	95	113	641	621
1898	58,000	50,000	9,014	2,156,277,643	5,907,610	102	118	655	734
1899	58,000	50,000	9,151	2,261,115,500	6,194,837	107	124	677	1,098
1900	62,500	55,000	9,280	2,306,997,774	6,320,542	101	115	681	1,429
1901	65,000	57,000	9,447	2,150,199,262	5,890,957	91	103	624	1,566
1902	70,000	61,000	9,612	2,325,807,038	6,372,074	91	104	663	1,771
1903	72,000	62,000	9,927	2,535,280,580	6,945,974	96	112	700	1,954
1904	73,000	63,000	10,166	2,570,360,614	7,001,520	96	111	689	2,145
1905	75,000	66,000	10,477	2,586,640,683	7,093,187	95	107	677	2,434
1906	83,000	76,000	10,764	2,524,786,872	6,916,880	83	91	643	2,803
1907	88,000	81,000	11,107	2,711,824,444	7,435,572	84	91	670	3,196
1908	89,000	82,000	11,516	2,740,666,728	7,488,160	84	91	653	3,628
1909	95,000	88,000	12,043	2,727,327,230	7,472,129	79	85	621	4,572
1910	99,000	92,000	12,769	2,870,478,148	7,864,323	79	85	616	6,106
1911	102,700	96,000	13,311	2,910,369,438	7,973,615	78	83	599	8,206
1912	103,000	97,000	13,643	3,030,739,034	8,280,707	80	85	607	9,998
1913	104,000	99,000	14,055	2,832,828,204	7,761,173	75	78	552	12,340
1914	108,000	103,000	14,407	2,712,726,402	7,432,127	69	72	516	13,788
1915	110,000	107,000	14,770	2,791,655,778	7,648,372	70	71	518	14,140
1916	113,000	*111,120	*15,350	3,122,164,926	8,530,505	75	77	*556	14,481

*Includes population supplied in towns of Dartmouth and Acushnet: 224 taps, 1120 consumers.

It will be noted that there has been a decided increase in the consumption during the past year, it being nearly twelve per cent in advance of the figures of 1915. There has been very little gain in domestic use, but the increase of registration in the manufacturing meters closely corresponds to this twelve per cent advance stated above.

Respectfully submitted,

ROBERT C. P. COGGESHALL,

Superintendent.

TABLE A.

Statement of Work Done by Leavitt Engine B for Year Ending Dec. 1st, 1916.

Diameter Steam Cylinder, 16⅜ and 36¼ in.
Diameter Pump Plungers, 13 7-10 and 19⅜ in.
Stroke of Piston and Pump Plunger, 90 inches.

Average working steam pressure, 185 lbs.
Average static head, 170.10 ft.

Months	Number of days or parts of days pumping	Total pumping time per month		Total number of strokes per month	Average number of strokes per minute	Total fuel used for all purposes	Total number of gallons pumped per month, allowance being made for slip	Number of gallons pumped per pound of coal for total coal	Number of gallons raised 100 ft. per lb. coal for total coal	Average dynamic head against pump in feet; no allowance for friction in suction	Average duty in pounds raised one foot high per 100 lbs. of coal; calculated on total fuel used for all purposes. No deductions
		H.	M.			LBS.					
December, 1915	27	597	45	1,135,811	31.6	302,325	252,150,042	834	1566	187.83	130,651,979
January, 1916	28	609	20	1,154,895	31.5	291,800	256,386,690	878	1621	184.73	135,367,269
February, "	25	542	00	1,026,019	31.5	266,525	227,776,218	854	1572	184.11	131,224,175
March, "	28	603	00	1,145,062	31.6	293,625	254,203,764	865	1592	184.07	132,903,987
April, "	25	551	00	1,042,735	31.5	261,000	231,487,170	886	1624	183.35	135,623,011
May, "	28	610	40	1,154,062	31.5	286,585	256,201,764	893	1633	182.92	136,381,638
June, "	26	601	00	1,137,645	31.5	282,425	252,557,190	894	1636	183.03	136,503,859
July, "	28	624	00	1,178,711	31.4	294,400	261,673,842	888	1626	183.18	135,789,631
August, "	31	673	10	1,281,730	31.7	322,925	284,544,060	881	1613	183.17	134,607,187
September, "	30	653	35	1,256,105	32.0	320,350	278,855,310	870	1599	183.80	133,433,767
October, "	31	664	40	1,261,496	31.6	318,400	280,052,112	879	1613	183.59	134,673,102
November, "	30	643	35	1,227,276	31.7	318,450	272,455,272	855	1568	183.45	130,899,422
Totals and avgs.	337	7373	45	14,001,547	31.6	3,558,810	3,108,343,434	873	1631	186.91	136,151,610

The duty is based on total fuel used for all purposes. This includes banking fires, starting, heating building, running shop engine during day and electric light engine at night. No deduction for ashes, moisture in coal or anything else.

TABLE B.

Location and Size of Cast Iron Main Pipe Laid in 1916.

Streets	30 in.	24 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Acushnet av. (east main), from 30 in. 1-32 curve, 16 ft. S. of N. line Willis (west) to 267 ft. N. of Willis (west)	283						
Allen st., from 91 ft. W. of Rockdale av. (south), west					49		
Arlington st., from Query to Central av					195		
Bates st., from Acushnet av. to 318 ft. W. of Acushnet av					331		
Branscomb st., from 369 ft. E. of Felton to 466 ft. W. of Felton						885	
Bristol st., from Acushnet av. to 12 ft. E. of Acushnet av.						58	
Bullock st., from Mt. Vernon, south						109	
Campbell st., from 10 ft. E. of Cedar to 10 ft. W. of Cedar					60		
Capitol st., from 720 ft. W. of Brock av., west					59		
Cedar Grove st., from Cotter to Front						207	
Central av., from 808 ft. E. of Bowditch to 13 ft. W. of Acushnet av						581	
Clinton st., from 84 ft. W. of Brownell, west						44	
*Coffin av., from Riverside av., west						402	
*Coffin av., from Riverside av., east				166			
Coggeshall st., from Myrtle to Summer						379	
Concord st., from 152 ft. N. of Princeton to Irvington						16	
Concord st., from Central ave., to Shaw						294	

TABLE B—CONTINUED.

	30″	24″	12″	10″	8″	6″	4″
Court st., from 203 ft. W. of Reed (south) to 6 ft. W. of Rockdale ave.					241		
Dock st., from Union, north						152	
Elm st., from 1 ft. W. of County to Ash					1359		
Emma st., from 204 ft. W. of Brock ave., west						224	
Felton st., from 214 ft. N. of Wood to Hersom						42	
Felton st., from Hersom to Branscomb					200		
Fielding st., from Wood to Hersom						307	
Francis st., from Court to 11 ft. N. of Court						37	
Hampton ct., from Logan st. main to 18 ft. S. of N. line Logan							16
Hersom st., from Fielding, west					103		
High st., from Second (30″ main east side) to Purchase					497		
High st., from 6 ft. W. of Purchase to County						1181	
Hillman st., from Spruce to Ash						417	
Hillman st., from 235 ft. W. of Rockdale ave. to Jenny Lind						481	
Irvington st., from 389 ft. E. of Concord to 593 ft. E. of Bowditch					963		
Jonathan st., from Court to 7 ft. N. of S. line Court						7	
Jonathan st., from Union, south						336	
Kempton st., from Second (30″ main east side) to 12 ft. W. of Second				41			
Lake st., from Hussey, east					240		
Lowell st., from 316 ft. N. of Tarkiln Hill rd., north						330	
Maxfield st., from 11 ft. W. of Acushnet ave. to 4 ft. E. of Purchase						205	

TABLE B—CONTINUED.

	30″	24″	12′	10″	8″	6″	4″
Maxfield st., from W. line Purchase (south) to Pleasant						220	
Maxfield st., from Pleasant to Foster					208		
Maxfield st., from State to Thomas					410		
Middle st., from 4 ft. W. of County to 17 ft. W. of E. line Ash					1354		
Middle st., from Liberty to Tremont						184	
Milford st., from 825 ft. N. of Irvington to 356 ft. N. of Carlisle						410	
Mill rd., from 1419 ft. N. of Tarkiln Hill rd. to 30 ft. S. of Mill rd. (west), (8x8x8x8 for Belle. ave. and Town of Acushnet)						321	
Mill rd., from 30 ft. S. of Mill rd. (west), (8x8x8x8 for Belleville ave. and Town of Acushnet) N. to angle, thence W. to Acushnet ave					319		
Mill st., from 8 ft. W. of Acushnet ave. to Purchase						229	
Mott st., from 427 ft. E. of Cleveland to 5 ft. W. of East French ave						597	
North st., from 165 ft. W. of Beech to 66 ft. E. of Rockdale ave						199	
Oakley st., from Acushnet ave. to 1 ft. W. of E. line Acushnet ave						41	
Palmer st., from 273 ft. S. of Union to 12 ft. N. of Arnold					315		
Pontiac st., from 117 ft. W. of Acushnet ave., west					258		
Query st., from 359 ft. W. of Conduit to 290 ft. E. of Acushnet ave						348	
Query st., from Acushnet ave. to Arlington						805	

TABLE B—CONTINUED.

	30″	24″	12″	10″	8″	6″	4″
Richmond st., from Mt. Vernon, north						160	
*Riverside ave., from Coffin ave. main, north				27			
Rochambeau st., from 488 ft. N. of Irvington, north						208	
Rockdale ave., (main east side street) from Kempton, south						344	
Rockdale ave., (main east side street) from 11 ft. S. of Court to 11 ft. N. of Court						62	
Rockdale ave., (main west side street) from 10 ft. S. of Court to 11 ft. N. of Court			61				
Rodman st., from 5 ft. W. to E. line Water to 2 ft. W. of E. line Water						3	
Rodman st., from 2 ft. W. of E. line Water to Front					255		
Second st., from Union (30x30x12x12, 4 ft. N. of present S. line) to 18 ft. S. of N. line Middle (west)	998						
Second st., from 18 ft. S. of N. line Middle (west) to 7 ft. N. of N. line Middle (west)		25					
Second st., from 7 ft. N. of N. line Middle (west) to 30″ 1/32 curve (15 ft. E. from W. line), 56½ ft. S. of S. line High (west), thence diagonally across street to 30″ 1/32 curve (11 ft. W. from E. line), 3 ft. N. of S. line High (west), thence north to Maxfield (30x30x8)	1372						
Sycamore st., from 9 ft. E. of Cedar to 10 ft. W. of Cedar						59	
Thomas st., from Maxfield to 6 ft. N. of Maxfield						33	
†Union st., from 104 ft. E. of Front to Dock						52	
Union st., from Reed to Jonathan				198			

TABLE B—CONTINUED.

	30″	24″	12″	10″	8″	6″	4″
Walden st., from Maxfield to 6 ft. N. of Maxfield...						32	
Water st., from Maxfield at Second (30x30x8), north to 30″ 1/32 curve in Acushnet ave., 16 ft. S. of N. line Willis (west).....	966						
Weaver st., from 512 ft. W. of Dartmouth to Field..							156
West French ave., from Valentine, south.....						28	
William st., from east side of 30x30x8x8 at Second, east, up and north to 8x8x8 in William st. main					13		
Totals.....	3619	25	61	432	7429	11029	172

*Pipe laid replaces pipe badly deteriorated by cinder filling.

†22 ft. of the 52 ft. of 6″ pipe laid was formerly on 6″ service Appli. 13742 New England Steamship Co. wharf, now transferred to main and 6″ service Appli. 13742 now connects with Union St. at Dock.

TABLE B—CONTINUED.

LOCATION AND SIZE OF CAST IRON MAIN PIPE REMOVED IN 1916.

Streets	10 in.	8 in.	6 in.	4 in.
Campbell st., from Cedar to 10 ft. E. of Cedar			36	
Campbell st., from Cedar to 10 ft. W. of Cedar				24
Cedar Grove st., from Cotter to Front				213
*Coffin ave., from Riverside ave., east	166			
*Coffin ave., from Riverside ave., west			402	
Elm st., from 1 ft. W. of County to Ash				1363
High st., (east) from 30″ main east side to 6″ main west side Second				12
High st., from Second (6″ main west side) to Purchase				480
High st., from 6 ft. W. of Purchase to County				1179
Hillman st., from Cedar west				109
Maxfield st., from 15 ft. W. of E. line Second, east		6		
Maxfield st., from 11 ft. W. of Acushnet ave. to 4 ft. E. of Purchase				205
Maxfield st., from W. line Purchase (south) to Foster				426
Maxfield st., from State to Thomas				410
Middle st., from 4 ft. W. of County to Summer			285	
Middle st., from Summer to 17 ft. W. of E. line Ash				1070
Mill st., from 8 ft. W. of Acushnet ave. to Purchase				229
*Riverside ave., from Coffin ave. main, north	27			
Rodman st., from 5 ft. W. of E. line Water to Front				261
Second st., from Union to William				428
Second st., from William to High (west)			814	
Sycamore st., from 9 ft. E. of Cedar to 10 ft. W. of Cedar				59
Thomas st., from Maxfield to 6 ft. N. of Maxfield				33
Walden st., from Maxfield to 6 ft. N. of Maxfield				32
Totals	193	6	1537	6533

*Pipe removed was badly deteriorated by cinder filling.

TABLE B—Concluded

SUMMARY

	Steel	Cast Iron										
	48 in.	48 in.	36 in.	30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Previous to 1916	42463	104	61820	33844	9786	11310	48488	51422	70262	179190	303777	61641
Laid in 1916....				3619	25			61	432	7429	11029	172
Total laid.....	42463	104	61820	37463	9811	11310	48488	51483	70694	186619	314806	61813
Removed in 1916									193	6	1537	6533
Total now in use	42463	104	61820	37463	9811	11310	48488	51483	70501	186613	313269	55280

Total length laid in 1916,	22,767 feet or	4.31193 miles
Total length removed in 1916,	8,269 feet or	1.56609 miles
Total length of pipe in use December 1st, 1916,	888,605 feet or	168.29640 miles

TABLE C.

Location and Size of Small Sized Distribution Pipe Laid in 1916.

Streets	2 in. cast iron	1 in. lead
Mt. Pleasant lane, from 188 ft. W. of Mt. Pleasant to Vine		173
Sharp st., from Rockdale ave. to 227 ft. W. of Rockdale ave	250	
Totals	250	173

Location and Size of Small Sized Distribution Pipe Removed in 1916.

Streets	2 in. cast iron
Hampton ct., from Logan st. main to 18 ft. S. of N. line Logan	16
Total	16

In use previous to 1916.....5800 feet
Laid in 1916..... 423 feet

6223 feet
Removed in 1916..... 16 feet

Total in use Dec. 1, 1916.....6207 feet or 1.17556 miles

TABLE D.

Location and Size of Stop Gates Set in 1916.

Streets	30 in.	24 in.	16 in.	10 in.	8 in.	6 in.	4 in.
Arlington st., north side Query					1		
Bates st., west side Acushnet ave					1		
Bedford st., W. of Pleasant 71 ft					1		
Branscomb st., east side Felton						1	
Bristol st., east side Acushnet ave						1	
Bullock st., south side Mt. Vernon						1	
Campbell st., east side Cedar					1		
Campbell st., west side Cedar					1		
Cedar st., north side Mill			1				
Cedar st., south side Campbell			1				
Cedar Grove st., east side Front						1	
Central ave., east side Arlington						1	
Coggeshall st., east side Summer						1	
Concord st., south side Shaw						1	
Court st., east side Rockdale ave					1		
Court st., W. of E. line Rockdale ave., 37 ft. (Between 6″ and 12″ mains)					1		
Court st., west side of Rockdale ave					1		
Dock st., north side Union						1	
Dock st., at hydt., W. side, N. of Union, 120 ft.						1	
Elm st., east side Second					1		
Elm st., west side Second					1		
Elm st., east side Cottage					1		
Elm st., east side Cedar					1		
Elm st., east side Ash					1		
Fielding st., north side Wood						1	
Foster st., at hydt., S. W. cor. High						1	
Foster st., south side High					1		
Francis st., north side Court						1	
Front st., S. of N. line Logan, 25 ft. (S. side sewer)					1		
Front st., north side Logan (N. side sewer)					1		
High st., east side Second							1
High st., at Second (Between 30″ and 6″ mains)					1		
High st., west side Second					1		
High st., at hydt., S. W. cor. Second						1	
High st., east side Purchase					1		
High st., east side Pleasant						1	
High st., west side Pleasant						1	
High st., at hydt., S. W. cor. Pleasant						1	
High st., east side County						1	
Hillman st., east side Second					1		
Hillman st., at Second (Between 30″ and 6″ mains)					1		
Hillman st., east side Cedar						1	
Hillman st., west side Cedar						1	

TABLE D—CONTINUED.

	30 in.	24 in.	16 in.	10 in.	8 in.	6 in.	4 in.
Jenny Lind st., north side Hillman						1	
Kempton st., at Second (Between 30″ and 6″ mains)				1			
Kempton st., west side Second				1			
Liberty st., north side Elm						1	
Maxfield st., at hydt., S. W. cor. Purchase						1	
Maxfield st., east side Pleasant						1	
Maxfield st., west side Pleasant					1		
Maxfield st., west side State					1		
Mechanics lane, west side Sixth							1
Middle st., east side Second					1		
Middle st., west side Second					1		
Middle st., east side Cottage					1		
Middle st., east side Cedar					1		
Middle st., east side Ash					1		
Mill rd., south side Belleville av						1	
Mill rd., west side Belleville av					1		
Mill rd., east side Acushnet av					1		
Mill st., east side Purchase						1	
Mott st., west of East French av., (north), 447 ft						1	
Mott st., west of East French av., (north), 454 ft						1	
North st., east side Second				1			
North st., at Second, (between 30″ and 6″ main)				1			
Oakley st., east side, 36″ Acushnet av. main						1	
Query st., west side Acushnet av						1	
Query st., east side Arlington						1	
Richmond st., north side Mt. Vernon						1	
Rockdale av., south side Kempton (in east main)						1	
Rodman st., west side Front					1		
Rodman st., east side Water					1		
Second st., north side Union	1						
Second st., north side Elm (in 30″ main)		1					
Second st., north side High (in 30″ main)		1					
Second st., north side North (in 30″ main)		1					
State st., north side Maxfield					1		
Sycamore st., east side Cedar						1	
Sycamore st., west side Cedar						1	
Tallman st., east from west line Belleville av., 15 ft. (between 10″ main and 6″ service to Pierce Mill)						1	
Tarkiln Hill rd., west side Mill rd					1		
Thomas st., north side Maxfield						1	
Tremont st., north side Elm					1		
Union st., east of front, 106 ft. (transferred from private gate)						1	
Walden st., north side Maxfield						1	

TABLE D—CONTINUED.

	30 in.	24 in.	16 in.	10 in.	8 in.	6 in.	4 in.
Water st., at hydt., west side, north of Cove (west), 331 ft						1	
Water st., at hydt., west side, opp. Gifford						1	
Water st., north side Maxfield (in 30″ main)		1					
West French av., south side Valentine						1	
William st., east side Second					1		
William st., west side Second					1		
William st., at hydt., S. W. cor. Second						1	
Totals	1	4	2	4	37	42	2

TABLE D—CONTINUED.

LOCATION AND SIZE OF STOP GATES REMOVED IN 1916.

Streets	8 in.	6 in.	4 in.
Acushnet av., at hydt., west side, south of Query, 2 ft		1	
Campbell st., east side Cedar		1	
Campbell st., west side Cedar			1
Cedar Grove st., east side Front			1
Elm st., east side Cottage			1
Elm st., east side Cedar			1
Elm st., east side Ash			1
High st., west side Second			1
High st., east side Purchase			1
High st., east side Pleasant			1
High st., west side Pleasant			1
High st., east side County			1
Hillman st., west side Cedar			1
Maxfield st., east side Pleasant			1
Maxfield st., west side Pleasant			1
Maxfield st., west side State			1
Middle st., east side Cottage			1
Middle st., east side Cedar			1
Middle st., east side Ash			1
Mill st., east side Purchase			1
Rodman st., east side Water			1
Second st., north side Union			1
Second st., south side Elm		1	
Second st., south side Middle		1	
Second st., north side Middle		1	
Sycamore st., east side Cedar			1
Sycamore st., west side Cedar			1
William st., west side Second	1		
Totals	1	5	22

Number of stop gates set in 1916	92
Number removed	28
Number to be added	64
Number in use December 1, 1915	2207
Number in use December 1, 1916	2271

TABLE E.

Location and Size of Small Sized Stop Gates Set in 1916.

Location	2 in.	1 in.
Mt. Pleasant ct., east side Vine		1
Sharp st., west side Rockdale av	1	
Totals	1	1

Location and Size of Small Sized Stop Gates Removed in 1916.

Location	2 in.
Blackmer st., at watering cart hydrant, east of Second (south), 19 ft	1
Maxfield st., at watering cart hydrant, west of State, 84 ft	1
Total	2

Number set during 1916	2
Number removed	2
To be added	0
Number in use December 1, 1915	109
Number in use December 1, 1916	109

TABLE F.

Location and Size of Waste Gates Set in 1916.

Streets	4 in.
Elm st., E. of Cedar 7 ft	1
Front st., at Cedar Grove	1
Maxfield st., W. of State 4 ft	1
Maxfield st., at Cedar	1
Middle st., E. of Cottage 13 ft	1
Middle st., E. of Cedar 5 ft	1
Middle st., E. of Ash 12 ft	1
Second st., N. of Union 33 ft	1
Second st., at Elm	1
Second st., at Middle	1
Second st., S. of Maxfield 16 ft (In 30″ main east side of street.)	1
Water st., S. of Campbell 317 ft	1
Total	12

Location and Size of Waste Gates Removed in 1916.

Streets	1½ in.	4 in.
Cedar Grove st., at Front		1
Middle st., E. of Cedar 4 ft	1	
Totals	1	1

Number of waste gates set in 1916	12
Number removed	2
Number to be added	10
Number in use December 1, 1915	168
Number in use December 1, 1916	178

TABLE G.

Location and Size of Private Stop Gates Set in 1916.

Streets	8 in.	6 in.	4 in.	3 in.	2 in.
Bedford st., at Morse Twist Drill & Machine Co., west of Pleasant, 74.9 ft.	1				
Belleville av., at Pierce Mfg. Corp., north of Tallman, 48 ft.		1			
Brock av., at Acushnet Park, north of Hudson, 269 ft.					1
Campbell st., at Hathaway's Laundry, east of Purchase, 109.1 ft.					1
Coffin st., at N. B. Gas & Edison Light Co., east of water, 363.4 ft.		1			
Coggeshall st., at Smith Bros'. Brewery, west of Jean, 196 ft., (Omitted from 1903 report)				1	
Cove st., at Hathaway Mfg. Co., west of Viall, 47.3 ft.				1	
Cross st., at Holmes Coal Co., north from south line Pine, 15.5					1
Dock st., at Commonwealth of Massachusetts (State Pier), north of Union, 119.7 ft.		1			
Elm st., at Olympia Theatre, east of Pleasant (north), 79.3 ft.					1
Elm st., at Olympia Theatre, east of Pleasant (north), 77.6 ft.			1		
Gifford st., at Acushnet Mill Corp., west of Harbor, 157.2 ft.				1	
Gifford st., at Hathaway Mfg. Co., east from west line Front, 9.4 ft.					1
Harbor st., at Hathaway Mfg. Co., north of Cove, 196.4 ft.					1
Harbor st., at Hathaway Mfg. Co., south of Gifford (west), 131.2 ft.					1
Kenyon st., at Federation Franco American Inc., east of Acushnet av., 139 ft.					1
Mill st., at St. Mary's home, west of Liberty, 117.9 ft.					1
Mott st., at Holmes Mfg. Co., west of East French av., (north), 448.1 ft.		1			
North st., at Central Fire Station, east of Pleasant, 51.6 ft.				1	
Rockdale av., at Ferguson's Laundry, east of Dartmouth, 240 ft.					1
Sixth st., at Morse Twist Drill & Machine Co., north of Wing, 156.7 ft.					1
Tarkiln Hill rd., at Town of Acushnet Supply, E. from W. line River rd., 42.7 ft.	1				
Tarkiln Hill rd., at Town of Acushnet Supply, E. from W. line River rd., 20.9 ft.	1				

TABLE G—CONCLUDED.

	8 in.	6 in.	4 in.	3 in.	2 in.
Union st., at N. E. Steamship Co., E. from W. line Dock, 13.7 ft.		1			
West French av., at Public Bath Houses, S. of Valentine, 3.4 ft.					1
Totals	3	5	1	4	12

LOCATION AND SIZE OF PRIVATE STOP GATES REMOVED IN 1916.

Streets	6 in.	4 in.	3 in.
Front st., at N. B. Boiler & Machine Co., S. of Commercial, 85 ft.			1
Rodman st., at Mechanics Bank Bldg., E. of Water, 25 ft.		1	
Union st., at N. E. Steamship Co., E. of Front, 106 ft. (Transferred to Public Gate List)	1		
Totals	1	1	1

Number set during 1916	25
Number removed	3
To be added	22
Number in use December 1, 1915	346
Number in use December 1, 1916	368

TABLE H.

Location and Size of Air Taps Set in 1916.

Streets	1 in.	¾ in.
Cedar st., north of Mill, 0.7 ft		1
Cedar st., south of Campbell, 5 ft		1
Cedar st., south of Campbell, 2 ft		1
Second st., in south side 30″ gate box, north of Union, 28 ft	1	
Second st., east side, north of William (east), 7 ft		1
Second st., in north side 24″ gate box, north of Elm, 3 ft		1
Second st., in south side 24″ gate box, south from north line High (west), 3 ft		1
Second st., in north side 24″ gate box, south from north line High (west), 3 ft		1
Second st., in north side 24″ gate box, on north line North		1
Totals	1	8

Number of air taps set in 1916	9
Number removed	0
Number to be added	9
Number in use December 1, 1915	170
Number in use December 1, 1916	179

TABLE I.

Location of Hydrants Set in 1916.

Acushnet av., S. W. cor. Blackmer.
Adams st., south side, 149 ft. W. of Mt. Pleasant.
Allen st., south side, 139 ft. W. of Rockdale av. (south).
Bates st., S. W. cor. Acushnet av.
Bates st., south side, 317 ft. W. of Acushnet av.
Branscomb st., south side, 368 ft. E. of Felton.
Branscomb st., south side, 465 ft. W. of Felton.
Bullock st., west side, 94 ft. S. of Mt. Vernon.
Campbell st., S. W. cor. Cedar.
Capitol st., south side, 569 ft. W. of Brock av.
Capitol st., south side, 778 ft. W. of Brock av.
Cedar st., S. W. cor. Kempton.
Cedar Grove st., S. E. cor. Front.
Central av., south side, 281 ft. W. of Acushnet av.
Clinton st., south side, 127 ft. W. of Brownell.
Coffin av., south side, 353 ft. W. of Riverside av.
Coffin av., south side, 286 ft. E. of Belleville av. (south).
Court st., S. W. cor. Jonathan.
Court st., S. W. cor. Rockdale av.
Covell st., south side, 422 ft. W. of Belleville av.
Covell st., south side, 307 ft. E. of Acushnet av.
Dock st., west side, 120 ft. N. of Union.
Eighth st., west side, opp. Mechanics lane.
Elm st., south side, 107 ft. W. of Sixth (north).
Elm st., N. W. cor. County.
Elm st., south side, opp. Summer.
Elm st., S. E. cor. Ash.
Emma st., south side, 427 ft. W. of Brock av.
Felton st., S. W. cor. Branscomb.
Fielding st., S. W. cor. Hersom.
Hersom st., south side, 84 ft. W. of Fielding.
High st., S. W. cor. Second.
High st., S. W. cor. Purchase.
High st., S. W. cor. Pleasant.
High st., south side, 303 ft. E. of County.
Hillman st., S. W. cor. Cedar.
Hillman st., south side, 343 ft. W. of Rockdale av.
Irvington st., south side, 388 ft. E. of Concord.
Irvington st., south side, 375 ft. W. of Concord.
Jonathan st., west side, 317 ft. S. of Union.
Lake st., S. W. cor. Rockdale av.
Lowell st., S. W. cor. Brockton.
Maple st., S. W. cor. Ash.
Marvin st., S. E. cor. Acushnet av.
Maxfield st., S. W. cor. Purchase.
Maxfield st., S. W. cor. Pleasant.
Maxfield st., S. W. cor. State.
Maxfield st., S. W. cor. Walden.
Maxfield st., S. W. cor. Thomas.

Maxfield st., S. W. cor. Cedar.
Middle st., S. W. cor. Summer.
Middle st., S. E. cor. Cottage
Middle st., S. E. cor. Cedar.
Middle st., S. E. cor. Ash.
Milford st., west side, 355 ft. N. of Carlisle.
Mill rd., S. W. cor. Belleville av.
Mill st., S. W. cor. Cedar.
Mott st., south side, 307 ft. W. of East French av. (north).
North st., S. W. cor. Cedar.
North st., S. E. cor. Rockdale av.
Pontiac st., south side, 374 ft. W. of Acushnet av.
Query st., S. W. cor Acushnet av.
Query st., south side, 233 ft. W. of Concord.
Richmond st., west side, 133 ft. N. of Mt. Vernon.
Rochambeau st., west side, 695 ft. N. of Irvington.
Rockdale av., east side, 325 ft. S. of Kempton (east).
Rodman st., S. E. cor. Water.
Smith st., S. W. cor. Cedar.
Smith st., S. E. cor. Shawmut av.
Stone st., S. W. cor. Allen.
Walden st., S. W. cor. Smith.
Water st., west side, 331 ft. N. of Cove (west).
Weaver st., S. E. cor. Field.
William st., S. W. cor. Second.

Hydrants Removed in 1916.

Acushnet av., S. W. cor. Blackmer.	Flush.
Acushnet av., west side, 1 ft. S. of Query (east).	Post.
Allen st., south side, 90 ft. W. of Rockdale av. (south).	Post.
Ash st., N. W. cor. Maple.	Flush.
Ash st., N. W. cor. Middle.	Post.
Capitol st., south side, 719 ft. W. of Brock av.	Post.
Cedar st., S. W. cor. Kempton.	Flush.
Cedar st., west side, 75 ft. N. of Mill.	Flush.
Cedar st., S. W. cor. Hillman.	Flush.
Cedar st., S. W. cor. Campbell.	Flush.
Cedar st., S. W. cor. Parker.	Flush.
Cedar Grove st., S. E. cor. Front.	Post.
Clinton st., south side, 83 ft. W. of Brownell.	Post.
Court st., south side, 201 ft. W. of Reed (south).	Post.
Elm st., S. W. cor. Summer.	Flush.
Emma st., south side, 203 ft. W. of Brock av.	Post.
Felton st., west side, 213 ft. N. of Wood.	Post.
High st., S. W. cor. Purchase.	Post.
High st., south side, 177 ft. E. of County.	Flush.
Hillman st., south side, 234 ft. W. of Rockdale av.	Post.
Irvington st., south side, 592 ft. E. of Bowditch.	Post.
Maxfield st., S. W. cor. Purchase.	Post.
Maxfield st., S. W. cor. Pleasant.	Post.

Mechanics Lane, north side, 206 ft. E. of Eighth.	Flush.
Middle st., S. E. cor. Cottage.	Post.
Pontiac st., south side, 116 ft. W. of Acushnet av.	Post.
Rochambeau st., west side, 487 ft. N. of Irvington.	Post.
Smith st., S. E. cor. Shawmut av.	Post.
Walden st., S. W. cor. Maxfield.	Flush.
Weaver st., south side, 511 ft. W. of Dartmouth.	Post.
William st., S. W. cor. Second.	Post.

Number set during 1916	74
Number removed during 1916	31
Number to be added	43
Number in use December 1, 1915	1350
Number in use December 1, 1916	1393

TABLE J.

Location of Watering Cart Hydrants Removed in 1916.

Blackmer st., south side, 18 ft. E. of Second (south)	Post.
Maxfield st., south side, 84 ft. W. of State.	Flush.

Number in use December 1, 1915	73
Number removed during 1916	2
Number in use December 1, 1916	71

TABLE K.

Statement of Work Done by the Service Department for the Year Ending December 2, 1916.

Kind and Size	Number of Services	Length on Taker	Length on City.
Lead pipe, 1 inch light.....	1	54.5	26.0
Lead pipe, 1 inch heavy.....	4	78.0	141.0
Lead pipe, ¾ inch light.....	102	1547.5	2375.0
Lead pipe, ¾ inch heavy.....	2	8.0	85.0
Lead pipe, ⅝ inch light.....	165	2336.5	3981.0
Lead pipe, ⅝ inch heavy.....	87	1390.0	2272.0
Cast iron pipe, 8 inch.....	2	167.0	
Cast iron pipe, 6 inch.....	4	1603.0	
Cast iron pipe, 4 inch.....	1	811.5	
Cast iron pipe, 3 inch.....	3	729.5	
Cast iron pipe, 2 inch.....	12	520.0	
Galvanized pipe, ¾ inch.....	1	85.0	
Totals	384	9330.5	8880.0

One 1 inch tin lined service has been removed and replaced with 1 inch light lead.

Two ¾ inch iron services have been removed and replaced with ¾ inch light lead.

One ⅝ inch heavy lead service has been removed and replaced with 1 inch heavy lead.

One ⅝ inch light lead service has been removed and replaced with ¾ inch light lead.

One ⅝ inch light lead service has been removed and replaced with ⅝ inch light lead.

One ½ inch heavy lead service has been removed and replaced with ¾ inch heavy lead.

Five connections to services previously laid have been made by the owners.

Eight connections to services previously laid have been made by the city, using 276 feet ¾ inch heavy lead, 67½ feet ¾ inch light lead, 22 feet ⅝ inch heavy lead, 79½ feet ⅝ inch light lead.

Twenty-one extensions to services previously laid have been made by the city, using 84 feet 10 inch cast iron, 299 feet 8 inch cast iron, 270 feet 6 inch cast iron, 1,086 feet 4 inch cast iron, 682 feet 3 inch cast iron, 153 feet 2 inch cast

iron, 110½ feet 1 inch light lead, 81½ feet ¾ inch light lead, 134½ feet ⅝ inch heavy lead, 68½ feet ⅝ inch light lead, 18 feet ½ inch heavy lead.

Four connections to services previously laid by the owners have been discontinued.

Three connections to services previously laid by the city have been discontinued.

One 4 inch cast iron, one 3 inch cast iron, one 2 inch galvanized iron, one 1½ inch light lead, two ¾ inch heavy lead, three ¾ inch light lead, six ⅝ inch heavy lead, three ⅝ inch light lead, ten ½ inch heavy lead services have been removed.

Length of service pipe laid during the year, 21,642.5 feet.

Number of services laid in 1916.....	384
Number removed.....	28
Number to be added.....	356
Number in use December 1, 1915.....14,770	
Number in use December 1, 1916.....15,126	

SUMMARY OF STATISTICS

FOR THE YEAR ENDING 1916.

IN FORM RECOMMENDED BY THE NEW ENGLAND WATER WORKS ASSOCIATION.

NEW BEDFORD WATER WORKS.

NEW BEDFORD,

BRISTOL COUNTY, MASS.

GENERAL STATISTICS.

Population by census of 1915, 109,568.

Date of construction, 1866 to 1869, inclusive. Further supply, 1895 to 1901, inclusive.

By whom owned, City of New Bedford.

Source of supply.—Water was first introduced on Nov. 26, 1869. From that date until July 10, 1899, the supply was taken from a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet River, seven miles north of the centre of the City. This supply was augmented by a connection made in 1886 with Little Quittacas Pond.

Since July 10, 1899, the whole supply has been taken from Great and Little Quittacas Ponds, eleven miles north of the centre of the city.

Mode of supply.—Previous to July 10, 1899, the water flowed by gravity from the Acushnet Storing Reservoir (grade 40′ + high water New Bedford Harbor) through a brick conduit 3 feet wide, 4 feet high, 5 6-10 miles long to a receiving reservoir (capacity 3 million gallons; grade 30′) located opposite the Purchase Street Pumping Station. Thence it was pumped into the Mt. Pleasant Distributing Reservoir (capacity 15 million gallons; grade 154′) located 1,879 feet distant, from whence it flowed by gravity into the city's distributing system.

Since July 10, 1899, the entire supply has been pumped from Little Quittacas Pond (grade 52′ through a 48-inch steel force main 8¼ miles long) to a distributing reservoir (capacity 67 millions gallons; grade 216′) located upon High Hill, in the town of Dartmouth. From this reservoir it flows into the city's distributing system by gravitation through two 36-inch cast iron pipes averaging 4 1-17 miles in length.

The first named system is not now in use, but is held in reserve to meet any emergency which might occur.

PUMPING STATISTICS.

1. Builders of Pumping Machinery.
   Purchase Street Station:
   a. McAlpine engine,
   built by Quintard Iron Works, Cap. 5,000,000 gals. per 24 hrs.
   b. Duplex engine,
   built by Henry R. Worthington, Cap. 3,000,000 gals. per 24 hrs.
   c. High duty engine,
   built by Henry R. Worthington, Cap. 5,000,000 gals. per 24 hrs.
   Little Quittacas Station:
   a. b. Leavitt engines in duplicate, Capacity of the two engines
   built by Dickson Mfg. Co., 20,000,000 gallons per 24 hrs.
2. Description of fuel used.
   a. Kind—bituminous.
   b. Brand of coal—Pocahontas.
   c. Price of coal per gross ton—delivered Little Quittacas Station, $5.39.
   d. Percentage of ash—7.
   e. Wood, price per cord—none used.

LITTLE QUITTACAS STATION—Engine B.

3. Coal consumed for the year—3,558,810 lbs.
4. [Pounds of wood consumed] ÷ 3 = equivalent amount of coal—none used.
5. Total equivalent coal consumed for the year = (3) + (4), 3,558,810 lbs.
6. Total pumpage for the year—3,108,343,434 gallons, with allowance for slip.
7. Average static head against which pumps work—170.10 feet.
8. Average dynamic head against which pumps work—186.91 feet.

9a. Number of gallons pumped per pound of equivalent coal (5)—873.

9b. Number of gallons raised 100 feet per pound of equivalent coal (5)—1631.

10. Duty $= \frac{\text{gals. pumped (6)} \times 8.34 \text{ (lbs.} \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5)}} = 136,151,610$

Cost of pumping, figured on pumping station expenses, viz.: $24,390.14

11. Per million gallons pumped—$7.85
12. Per million gallons raised one foot (dynamic)—4 2/10 cents

Cost of pumping figured on total maintenance and interest on bonds, (see financial CC+DD) viz.: $192,737.78

13. Per million gallons pumped—$62.01
14. Per million gallons raised one foot (dynamic)—33 2/10 cents

FINANCIAL STATISTICS.

RECEIPTS.			EXPENDITURES.		
Balance brought forward,		$25,572.13	*Water works maintenance:*		
(a)	From ordinary (maintenance) receipts,	35,095.07	AA.	Operation, (management and repairs), $119,357.78	
(b)	From extraordinary receipts (bonds, etc.)		CC.	Total maintenance,	$119,357.78
	Total,	$60,667.20	DD.	Interest on bonds,	73,380.00
	From water rates:			(CC+DD),	$192,737.78
A.	Fixture rates,		EE.	Payment of bonds,	19,000.00
B.	Meter rates, $322,318.00		FF.	Sinking fund,	27,930.00
C.	Total from consumers,	$322,318.00		*Water works construction:*	
D.	For hydrants,		GG.	Extension of mains, $82,775.17	
E.	For fountains,		HH.	Extension of services, 13,436.62	
F.	For street watering,	1,085.78	II.	Extension of meters, 2,967.27	
G.	For public buildings,		JJ.	Special 25,878.62	
H.	For miscellaneous uses,	128.97	KK.	Total construction,	125,057.68
I.	General appropriations,		LL.	Unclassified expenses:	
J.	Total from municipal departments,		MM.	Balance: (aa) Ordinary, $32,820.19	
K.	From tax levy,			Total balance,	32,820.19
L.	From bond issue,				
M.	From other sources:				
	For building purposes,	2,419.00			
	For meter rentals,	10,926.70			
N.	Total,	$397,545.65	N.	Total,	$397,545.65

Disposition of balance, ----------

O.	Net cost of works to date - - - - -	$4,382,461.49
P.	Bonded debt to date - - - - -	1,941,000.00
Q.	Value of sinking fund at date - - - -	910,684.51
R.	Average rate of interest - - - -	$3\frac{98}{100}$ + per cent.

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date.....113,000
*2. Estimated population on lines of pipe.....112,120
*3. Estimated population supplied.....111,120
4. Total consumption for the year...3,122,164,926 gallons
5. Passed through meters.....2,667,677,167 gallons
6. Percentage of consumption metered.....85 per cent
7. Average daily consumption.....8,530,505 gallons
8. Gallons per day to each inhabitant.....75
9. Gallons per day to each consumer.....77
10. Gallons per day to each tap.....556
11. Cost of supplying water, per million gallons figured on total maintenance item (CC).....$38.23
12. Total cost of supplying water, per million gallons, figured on total maintenance + interest on bonds.....$61.73

*Includes consumption in the Towns of Dartmouth and Acushnet.

STATISTICS RELATING TO DISTRIBUTING SYSTEM.

MAINS.

1. Kind of pipe, cast iron and steel.
2. Sizes, from 4 inch to 48 inch.
3. Extended 22,767 feet during the year.
4. Discontinued 8,269 feet during year.
5. Total now in use $168\frac{29640}{100000}$ miles.
6. Cost of repairs per mile, $19.27.
7. Number of leaks per mile, .08318
8. Length of pipes less than 4 inches diam., $1\frac{17556}{100000}$ miles.
9. Number of hydrants added during year (public and private), 56.
10. Number of hydrants (public and private) now in use, 1793.
11. Number of stop gates added during the year, 64.
12. Number of stop gates now in use, 2271.
13. Number of stop gates smaller than 4 inch, 109.
14. Number of blow offs, 178.
15. Range of pressure on mains, 25 lbs. to 95 lbs.

SERVICES.

16. Kind of pipe: lead, wrought iron and cast iron.
17. Sizes, ½ inch to 10 inch.
18. Extended 21,642 feet.
19. Discontinued 1319 feet.
20. Total now in use, 108.30 miles.
21. Number of service taps added during year:
    New Bedford.....356
    Dartmouth 146
    Acushnet 78
    Total added.....580
22. Number now in use:
    New Bedford.....15,126
    Dartmouth 146
    Acushnet 78
    Total in use....15,350
23. Average length of service, 37.8 feet.
24. Average cost of service for the year:
    a. Gross, $34.99.
    b. Net, $19.07.
25. Number of meters added, 341.
26. Number now in use, New Bedford only, 14,481.
27. Percentage of services metered, $95\frac{7}{10}$
28. Percentage of receipts from metered water (B÷C), 100.

CITY ORDINANCES

AND AMENDMENTS

PASSED BY THE CITY COUNCIL

OF THE

CITY OF NEW BEDFORD

From June 1916 to July 5, 1917.

NEW BEDFORD, MASS.
THE A. E. COFFIN PRESS, PRINTERS
1917

Licensing of Hawkers and Peddlers of Fish

AN ORDINANCE

Amending Sections 610, 623 and 624 of the Revised Ordinances of 1916, so as to provide for the licensing of hawkers and peddlers of fish; and fixing certain fees.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 610 of the Revised Ordinances of 1916 is hereby amended by inserting, after the words "To be a hawker and peddler of fruits and vegetables," in the ninth line thereof, the words, "To be a hawker and peddler of fish," so that said section shall read as follows: Section 610 The authority vested in the mayor and aldermen and the city council, by statute, in the matter of granting and issuing the following named licenses and permits to wit:

As an auctioneer;

To keep for hire, gain or reward, billiard, pool and sippio tables and bowling alleys;

To sell, rent or lease firearms;

To be a hawker and peddler of fruits and vegetables;

To be a hawker and peddler of fish;

To keep an intelligence office;

To collect junk, old metals, or any second hand articles;

To deal in junk, old metals, or any second hand articles;

As a pawnbroker;

To act as a private detective;

To keep a public lodging house;

To take scallops within the waters of the city of New Bedford;

To establish, keep open and maintain a skating rink for the amusement of roller skating, and carrousels, inclined railways, ferris wheels and outdoor exhibitions of fire fighting for the amusement of the public, for hire, gain or reward;

To maintain a vehicle for the sale of food;

is hereby delegated to the city clerk, as permitted by chapter one hundred forty-one of the Acts of the Legislature of 1914. By virtue of such delegation, the city clerk may, in his discretion, grant and issue such licenses, subject to the provisions of law and the regulations and restrictions set forth in this ordinance, or which may hereafter be made by law or ordinance.

Section 2. Section 623 of the Revised Ordinances of 1916 is hereby amended by inserting, after the word "vegetables," in the third line thereof, the words "and fish"; and by adding at the end of said section, the following; "The fee to be col-

lected by the city clerk for each license issued to a hawker and peddler of fruits and vegetables shall be twenty dollars; the fee to be collected by the city clerk for each license issued to a hawker and peddler of fish shall be ten dollars"; so that said section shall read as follows: Section 623. The city clerk shall supply badges and wagon plates to junk collectors and to hawkers and peddlers of fruits and vegetables, and fish. He shall collect therefor, at the time of the issue of said licenses, the following sums:

For each pair of wagon plates, fifty cents. For each badge, fifty cents, and no such licenses shall be issued until such payment is made.

The fee to be collected by the city clerk for each license issued to a hawker and peddler of fruits and vegetables shall be twenty dollars; the fee to be collected by the city clerk for each license issued to a hawker and peddler of fish shall be ten dollars.

Section 3. Section 624 of the Revised Ordinances of 1916 is hereby amended by inserting, after the word "vegetables," in the third line thereof, the words "and fish"; so that said section shall read as follows: Section 624. Every licensee as a junk collector, and every licensee as a hawker and peddler of fruits and vegetables and fish shall, while exercising his license, wear the badge so provided, which badge shall state the character and number of the license.

Section 4. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained, Jan. 25, 1917.
CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained Jan. 25, 1917.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor Jan. 26, 1917.

A true copy. Attest:
W. H. B. REMINGTON, City Clerk.

Appointment Surveyors of Lumber.

AN ORDINANCE

Providing for the Appointment of Surveyors of Lumber.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Annually in January, the mayor and aldermen shall appoint one or more surveyors of lumber.

Section 2. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained Jan. 25, 1917.
CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained Jan. 25, 1917.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor, Jan. 26. 1917.

A true copy. Attest:
W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Amending Sections 28 and 30 of the Revised Ordinances of 1916.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 28 of the Revised Ordinances of 1916 is hereby amended by inserting at the end thereof the following: "except the committee on finance which shall consist of two aldermen, three councilmen, and the mayor," so that said section shall read as follows: Section 28. Each committee shall consist of two aldermen, appointed by the mayor, and three councilmen, appointed by the president of the common council; except the committee on finance which shall consist of two aldermen, three councilmen, and the mayor.

Section 2. Section 30 of the Revised Ordinances of 1916 is hereby amended by adding at the end thereof the following: "except the committee on finance, in which case the mayor shall serve as chairman," so that said section shall read as follows: Section 30. The mayor shall designate one of the aldermen appointed by him to serve as chairman of each committee, except the committee on finance, in which case the mayor shall serve as chairman.

Section 3. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained, Feb. 8, 1917.
C. W. BARTLETT, Acting Mayor.

In Common Council. Passed to be ordained, Feb. 8, 1917.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor. Feb. 9, 1917.

A true copy. Attest:
W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Relative to Receipts into the City Treasury.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 429 of the Revised Ordinances of 1916 is hereby repealed, and the following section is substituted in its stead: Section 429. All receipts into the city treasury from all sources, except whereby otherwise provided by law, shall be regarded as unappropriated funds; except the following, which shall be credited as follows:

To the police department: All fees of officers of the department, payable by them to the city, fines and forfeitures inuring to the city for any violation of the ordinances or provisions of law.

To the fire department: All moneys received for work done or services rendered for any individual, corporation, or any other department of the city; also for any sales of property of the department.

To the street department: All moneys received for work done or services rendered to any individual, corporation, or other department of the city; also for sales of property of the department.

To the street light department: All moneys received for sales of property of the department.

To the poor department: All moneys received for work done and services rendered, materials furnished to any individual, corporation, or other department of the city.

To the department of wharves: All receipts from wharves, wharf property or buildings thereon, as follows: First, to the payment of the interest due semi-annually on the City of New Bedford wharf bonds now outstanding, or that may hereafter be issued; Second, to the sinking fund to be paid yearly toward the extinguishment of said bonds at maturity; and the balance to be applied to the management and repairs of said wharves.

To the water department: All moneys received for the sale of property and services rendered, and as otherwise provided by ordinance.

To the New Bedford Industrial School: All sums received by it on account of its various departments, the same to be applied and devoted to the purchase of supplies for the said school. An account thereof shall be kept, and a return thereof shall be made to the city auditor on the first day of each month.

Section 2. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained, Feb. 23, 1917. CHARLES S. ASHLEY, Mayor.

In Common Council, Passed to be ordained, Feb. 23, 1917. HARRISON T. BORDEN, President.

Presented to and approved by the Mayor. Feb. 24, 1917.

A true copy. Attest: W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Amending Section 652 of the Revised Ordinances.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 652 of the Revised Ordinances of 1916 is hereby amended by striking out the whole of the same and inserting in the place thereof a new section to read as follows: Section 652. The provisions of this chapter shall not apply to vehicles used for the transportation of passengers, or goods, wares, merchandise, or rubbish, by means of any vehicle for hire, or to the drivers of the same, if the vehicle is let by the hour, day, or job, on call, or by appointment.

Section 2. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained, March 8, 1917. CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained, March 8, 1917. HARRISON T. BORDEN, President.

Presented to and approved by the Mayor, March 9, 1917.

A true copy. Attest:
W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Prohibiting the Sale or Use of Fireworks.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. The sale or use of fireworks in the City of New Bedford is hereby prohibited.

In Board of Aldermen. Passed to be ordained, May 10, 1917. CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained, May 10, 1917. HARRISON T. BORDEN, President.

Presented to and approved by the Mayor. May 11, 1917.

A true copy. Attest:
W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Amending That Part of the Revised Ordinances of 1916, Known as the Building Code.

Be it ordained by the City Council of the City of New Bedford, as follows:

Section 1. Section 148 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 148. An applicant for a permit hereunder whose application has been refused may appeal therefrom within thirty days, and a person who has been ordered by the superintendent to incur any expense may, within ten days after being notified of such order, appeal therefrom by giving to the superintendent notice in writing of his appeal. Such notice or copy thereof shall at once be transmitted by the superintendent to the committee on building code. After notice given to such parties as the committee shall order, a hearing shall be had, and the committee shall affirm, annul, or modify said refusal or order. The decision shall be filed in the office of the superintendent within ten days after the hearing. A certified copy shall be sent by mail or otherwise to the applicant, and a copy kept publicly posted in the office of the superintendent for two weeks thereafter. If the order or refusal of the superintendent is affirmed, or such order or refusal is modified or annulled, the superintendent shall issue a permit in accordance with such decisions.

Section 2. Section 154 of the Revised Ordinances of 1916 is hereby amended by inserting after the paragraph defining "Foundation," the following:

"Garage (Private): A building designed to be occupied by not more than four motor vehicles, charged with or containing a volatile inflammable liquid for fuel or power, which are the property of the applicant or of his immediate family, and which are not let out for hire."

"Garage (Public): A building designed to be occupied by more than four motor vehicles, charged with or containing a volatile inflammable liquid for fuel or power, or wherein is conducted the business of repairing motor vehicles, or wherein the vehicles are let out for hire."

Section 3. Section 155 of the Revised Ordinances of 1916 is hereby repealed.

Section 4. Section 158 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 158. Every applicant for a permit for the erection, construction or alteration of a building used or intended to be used as a garage shall, before applying for a permit to erect, construct or alter said building, furnish a plan of the

premises to and obtain from the board of aldermen a license to maintain and use said building for said purpose. No building shall be erected for or converted to use as a garage, unless such erection and use is previously authorized by the board of aldermen. Before the erection, construction or alteration of any building or part of any building, structure or part of any structure, wall or any platform or flooring to be used for standing or seating purposes is commenced, the owner or lessee, or agent of either, or the architect, or builder employed by such owner or lessee in connection with the proposed erection or alteration shall, except for "ordinary repairs" as hereinafter defined, submit to the superintendent a detailed description of the location, purpose and construction of the proposed structure or work on proper blanks to be furnished by the superintendent, and full and complete copies of the plans of such proposed work and such structural detailed drawings as the superintendent may require. Such plans and detailed drawings shall be furnished in duplicate, and if approved by the superintendent, one set shall be kept at the building during the progress of the work open to the inspection of the superintendent or his representative, the other shall be kept on file in the office of the superintendent. The superintendent may require an applicant for a permit to submit with the plans of a building or other structure detailed drawings and calculations of any portions thereof subjected to unusual stresses, or of complicated construction, or for steel frame or reinforced concrete construction, or of any type of construction not particularly described in this chapter. Such plans and calculations shall be made by a competent engineer, approved by the superintendent and paid for by the owner, and filed in the office of the superintendent with the plans of the building. The erection, construction or alteration of such building, structure, platform, staging or flooring when proceeded with shall be constructed in accordance with such approved plans and detailed descriptions unless amended plans are filed and permit issued therefor. Nothing in this section shall be construed so as to prevent the superintendent from granting his approval for the erection of any part of a building, or any part of a structure when the general plans and detailed descriptions have been filed for the same before the entire detailed plans have been submitted.

Section 5. Section 169 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 169. No external wall, except as hereinafter provided, of any frame building shall be less than four feet from the line of any adjoining lot, nor less than eight feet from any frame building on any adjoining lot, nor less than eight feet from any frame building in the front of the same lot, nor less than sixteen feet from a frame building in the rear on the same lot, unless the walls of such adjoining building are constructed of brick; if said walls are constructed of brick and have all openings in the side walls protected by metal frame, sash and wire glass or fire-doors or shutters, they shall not be less than

four feet from said building. No external wall of any frame building occupied or designed to be occupied by an independent family above the second floor shall be less than four feet from the line of any adjoining lot nor less than fourteen feet from any frame building on any adjoining lot, nor less than fourteen feet from any frame building on the front of the same lot, nor less than twenty feet from a frame building in the rear on the same lot, unless the side walls of such adjoining building are constructed of brick. If the external walls of any brick or frame building be made of brick or hollow terra cotta of the thickness required by the provisions of this chapter and are carried twelve inches above the roof and suitably capped, or carried to the roof boards provided the roof has an incombustible covering, and the boards are laid in mortar on such wall, they may be not less than four feet from the line of any adjoining lot, and not less than eight feet from any similar external wall, unless all openings in such wall are protected by standard wired glass windows in metal frames and sash, or standard fire doors or shutters, as provided for by the rules and regulations of the National Board of Fire Underwriters. Wooden cornices, piazzas or other frame projections may be one foot nearer to the line of the adjoining lot or two feet nearer to similar projections on adjoining buildings than is allowed for frame walls.

Section 6. Section 174 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 174: No part of any structure except fire-escapes, cornices, string courses, window caps and sills, shall project over the line of any street or public place. No cornice shall project more than three feet. No such projection shall be less than ten feet above the grade of the sidewalk.

Section 7. That part of Section 178 of the Revised Ordinances of 1916 defining Section B of the fire limits is hereby repealed and the following definition of the Section B of the fire limits substituted in its stead:

Section B. Beginning at the point of intersection of Logan Street and Purchase Street; thence northerly in said Purchase Street to Weld Street; then easterly to the east line of property of New York, New Haven and Hartford Railroad Company; thence northerly in said east line of property of New York, New Haven and Hartford Railroad Company to Cornell Place; thence easterly in said Cornell Place to Bowditch Street; thence northerly in said Bowditch Street to Cedar Grove Street; thence easterly in said Cedar Grove Street to Acushnet Avenue; thence northerly in said Acushnet Avenue to the south line of Davis Street; thence easterly in said south line of Davis Street to North Front Street; thence southerly in North Front Street to Hicks Street; thence westerly in said Hicks Street to Acushnet Avenue; thence southerly in said Acushnet Avenue to Logan Street; thence westerly in said Logan Street to the place of beginning.

Section B of the fire limits shall include all land bounded as above described and a distance of one hundred feet from the outside line of all streets bounding said fire limits, except the northerly limit which shall extend only to the south line of Davis Street. In addition to the limits above prescribed, said section (B) of the fire limits shall include Coggeshall Street from North Front Street to the harbor line as the same now is or may be established and one hundred feet from each line of said Coggeshall Street.

Section 8. Section 180 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 180. Within the fire limits it shall not be lawful for the owner or owners of any brick dwelling house with eight-inch walls already erected that has a peaked roof, to raise the same or any part thereof for the purpose of making a flat roof thereon, unless such building or part of a building exceeded twenty-five feet in height to the peak of its roof before being raised, and unless the same be raised with the same kind of material as the building and such new roof be covered with fireproof material. No such raised building shall exceed in height the peak of the main roof as it existed before the said alteration and raising, and no such building shall exceed in any event forty feet in height to the highest part thereof.

Section 9. Section 242 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 242. Footings and foundation walls shall be laid in Portland cement mortar, except that the foundation walls of frame buildings, not over three stories or forty-five feet in height, may be laid dry if ledge-stone or its equal is used; provided that, in the case of dry foundation walls, a blind drain around the foundation walls shall be constructed of gravel.

Section 10. Section 247 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 247. All concrete blocks shall be made of one part Portland cement to not more than six parts of properly graded aggregate, and the materials used shall be free from dirt and other foreign matter, and shall be properly mixed and manipulated. Whenever such blocks are used the thickness of the wall shall not be less than the required thickness for brick walls as provided in sections two hundred and fifty-eight and two hundred sixty-two.

Section 11. Section 248 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 248. No hollow cement blocks shall be used in any party or fire wall, except in a building occupied or designed to

be occupied for the purpose of a store or stores and not more than a basement and one story in height. The dividing wall or walls in basement or cellar of such building may be built of hollow cement blocks, provided the top course of blocks directly underneath the bottom of the floor joists are made of solid cement blocks, and provided that said walls are of the same thickness as required by this chapter for brick walls. The walls of a building used as a private garage may be built of hollow cement blocks of the same thickness as called for by this code for brick walls, provided that all walls of said garage are at least eighteen inches from the lot line and at least ten feet from any wood frame building on the same lot, and provided that all openings in the outside walls (excepting doors) are protected by standard wire glass windows in metal frames.

Section 12. Section 256 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 256. The name of the manufacturer and the date of manufacture must be impressed in or otherwise permanently attached to each block.

Section 13. Section 257 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 257. The expression "dwelling house class," shall be taken to mean and include the following buildings:—

Apartment houses, apartment hotels, asylums, club houses, convents, dormitories, dwellings, hospitals, hotels, lodging houses, parish dwellings, schools, stables (private), studios, tenements, garages (private).

Section 14. Section 261 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 261. The expression "warehouse class" shall be taken to mean and include the following buildings:—

Armories, carriage houses, churches, court houses, fire stations, jails, libraries, manufacturing buildings, markets, museums, observatories, office buildings, police stations, printing houses, public assembly buildings, pumping stations, railroad and railway buildings, refrigerating houses, slaughter houses, stores, stables (public), theatres, warehouses, garages (public).

Section 15. Section 265 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:—

Section 265. The external walls of any building not over two thousand square feet in area, and not more than two stories or thirty feet in height exclusive of gables, which under the provisions of this chapter might be built of ordinary frame construction, may be built of brick, not less than eight inches thick, laid in Portland cement mortar. The walls of the upper

story of flat roofed buildings not exceeding two thousand square feet in ground area, and that part of a wall extended upward to form a gable end in any building of the warehouse class may be four inches less in thickness than called for in the upper story of its respective class.

Section 16. Section 277 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 277. Material used for the facing of any building and known as ashlar, shall not be less than four inches thick, and shall be securely anchored to the backing. The backing shall be of such thickness as to make the walls, independent of the ashlar, conform as to thickness with the requirements of this chapter. In computing the thickness of walls, ashlar shall not be included unless the walls are at least sixteen inches thick, and the ashlar is at least eight inches thick, or alternate courses are at least four and eight inches to allow bonding with the backing. Ashlar shall be properly anchored by metal clamps to the backing or properly bonded to the same. Proposed methods of anchoring ashlar to backing walls shall be submitted to the Superintendent for approval. Buildings allowed by this code to be built of wood frame, may be brick veneered provided they do not exceed two stories in height exclusive of gables, and provided the brick veneer is securely anchored through the boarding into every stud to the outside frame with a non-corrosive tie every sixth course, and provided that the outside boarding is covered with a good quality waterproofed paper before the brick veneer is started.

Section 17. Section 292 of the Revised Ordinances of 1916 is hereby repealed and the following section is substituted in its stead:

Section 292. Recesses for stairways or elevators may be left in foundation or cellar walls, but in no case shall the walls be of less thickness than the walls of the fourth story, unless reinforced by additional piers with iron or steel girders, or iron or steel columns and girders, properly insulated as provided in section three hundred sixty-six, and securely anchored to walls on each side. Recesses for other purposes shall have not less than eight inches of brickwork at the back of such recesses, and such recesses shall be not more than eight feet in width, and shall be arched over or spanned with reinforced concrete, iron or steel lintels, and not carried up higher than eighteen inches below the bottom of the beams of the floor next above. No chase for water or other pipes shall be made in any pier, and in no wall more than one-third of its thickness. The spaces around such pipe or pipes shall be completely filled with mortar or masonry for the space of five inches immediately above and below the floor beams of each story. No horizontal chase in any wall shall exceed four feet in length without permission of the superintendent. The aggregate area of recesses and chases in any wall shall not exceed one-fourth of the whole area of the face of the wall in any story, no recess shall be made within a distance of six feet from any other recess in the same wall, without permission of the superintendent.

Section 18. Section 374 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead :

Section 374. All buildings hereafter erected, or altered, containing two or more tenements shall have not less than two inside stairways to reach every floor containing living or sleeping rooms; the stairways to be placed as far apart as practical, or as may be directed by the superintendent. Public hallways therein shall each be at least three feet six inches wide in the clear and the stairs shall be at least three feet wide between the wall and the stair rails. Each stairway shall have an entrance on the entrance floor from a street or alley or open passageway, or from an outer court, or from an inner court, which connects directly with a street or alley, or open passageway. All stairs shall be constructed with a rise of not more than eight inches and with treads not less than nine inches wide and not less than three feet long in the clear; and the stringers of all wood stairs shall be of one and three-eighths inch stock at least. The front stairs leading to the street shall be platform stairs. Where winders are used, in rear stairs, all treads at a point eighteen inches from the stringers on the wall side shall be at least ten inches wide.

Section 19. Section 376 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 376. In every tenement house all stairways shall be provided with proper balusters and railings kept in good repair. In every tenement house occupied or designed to be occupied by not more than three separate families hereafter erected or altered, the stair halls may be inclosed with wood stud partitions, provided such partitions around front and rear stair wells are fire-stopped with brick or other incombustible material from the bottom of floor joists to five inches above the top of floor joists at each floor, and provided said partitions are covered on the stair sides with metal lath and cement plaster or with a good quality plaster board not less than three-eighths of an inch in thickness, made of plaster and strong fibre. Plaster boards shall be covered by at least three-eighths of an inch of cement plaster. In such houses, the stairs may be of wood provided the cellar or basement stairs that occur directly underneath the rear stairs shall be inclosed with brick or masonry walls and shall have a door opening in said masonry walls at the bottom of the basement stairs protected by a self-closing fire-door, and provided that all stairs above the basement are fire-stopped back of the stair stringers and are fire-stopped as called for in section three hundred sixty-seven, and that the soffits and underside of the landings are covered with metal lath and plastered with two coats of mortar. There shall be no closets under the stairs to the second and third stories.

Section 20. Section 378 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 378. The public hallways and stairs within every office building and every tenement house, four or more stories in height, shall have gas or electric lights so located that the stairs and landings shall be adequately lighted, and it shall be compulsory on the part of the owner of such building to keep said lights lighted from sunset to sunrise.

Section 21. Section 379 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 379. No tenement house or apartment house nor any part thereof, shall be used as a place of storage for any article or material dangerous to life or health, nor for the storage of feed, hay, straw, excelsior, or cotton, nor for the storage or handling of rags, nor shall the cellars or basements be occupied for living or business purposes.

Section 22. This ordinance shall take effect upon its passage.

In Board of Aldermen, May 10, 1917. Passed to be ordained,
CHARLES S. ASHLEY, Mayor.

In Common Council, May 10, 1917. Passed to be ordained.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor, May 11, 1917.

A true copy. Attest:
W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Relative to the Erection, Construction, Alteration or Conversion to Use of a Building to Be Used as a Garage.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 4 of an ordinance passed by the City Council May 10th, 1917, and approved by the Mayor May 11th, 1917, amending Section 158 of the City Ordinances of 1916, is hereby amended by the striking out of the following words, to wit "Section 158. Every applicant for a permit for the erection, construction, or alteration of a building used or intended to be used as a garage, shall, before applying for a permit to erect, construct or alter said building, furnish a plan of the premises to and obtain from the Board of Aldermen a license to maintain and use said building for said purposes," and the substitution therefor of the following words, to wit:

"Section 158. Every applicant for a permit to erect, construct or convert to use a building as a garage shall, before applying for a permit to erect, construct, alter or convert to use said building, furnish a plan of the premises to and obtain from the Board of Aldermen an authorization therefor," so that said

section 4 shall read as follows: "Section 4. Section 158 of the Revised Ordinances of 1916 is hereby repealed and the following section substituted in its stead:

Section 158. Every applicant for a permit to erect, construct or convert to use a building as a garage shall, before applying for a permit to erect, construct, alter or convert to use said building, furnish a plan of the premises to and obtain from the Board of Aldermen an authorization therefor. No building shall be erected for or converted to use as a garage; unless such erection and use is previously authorized by the Board of Aldermen. Before the erection, construction or alteration of any building or part of any building, structure or part of any structure, wall or any platform or flooring to be used for standing or seating purposes is commenced, the owner or lessee, or agent of either, or the architect, or builder employed by such owner or lessee in connection with the proposed erection or alteration shall, except for "ordinary repairs" as hereinafter defined, submit to the superintendent a detailed description of the location, purpose and construction of the proposed structure or work on proper blanks to be furnished by the superintendent, and full and complete copies of the plans of such proposed work and such structural detailed drawings as the superintendent may require. Such plans and detailed drawings shall be furnished in duplicate, and if approved by the superintendent, one set shall be kept at the building during the progress of the work open to the inspection of the superintendent or his representative, the other shall be kept on file in the office of the superintendent. The superintendent may require an applicant for a permit to submit with the plans of a building or other structure detailed drawings and calculations of any portions thereof subjected to unusual stresses, or of complicated construction, or for steel frame or reinforced concrete construction, or of any type of construction not particularly described in this chapter. Such plans and calculations shall be made by a competent engineer, approved by the superintendent and paid for by the owner, and filed in the office of the superintendent with the plans of the building. The erection, construction or alteration of such building, structure, platform, staging or flooring when proceeded with shall be constructed in accordance with such approved plans and detailed descriptions, unless amended plans are filed and permit issued therefor. Nothing in this section shall be construed so as to prevent the superintendent from granting his approval for the erection of any part of a building, or any part of a structure when the general plans and detailed descriptions have been filed for the same before the entire detailed plans have been submitted.

In Board of Aldermen. Passed to be ordained, May 24, 1917.
CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained, May 24, 1917.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor, May 25, 1917.

A true copy, attest
W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Establishing a Board of Trustees for the Management of a Municipal Hospital.

Be it ordained by the City Council of the City of New Bedford as follows :

Section 1. The Board of Trustees of the Municipal Hospital shall consist of nine (9) members: the Mayor, as chairman, one member of the Board of Aldermen appointed by the Mayor, the President of the Common Council and one member of the Common Council appointed by the President, and five trustees, citizens of the city, of whom not more than two may be women, —appointed by the Mayor subject to confirmation by the City Council in convention.

The term of office of the trustees so appointed and confirmed shall be one year for the Mayor, Alderman and Councilmen; and the five others so arranged as to expire at the end of one, two, three, four and five years from the second day of January, 1917 and thereafter annually on the second day of January a member shall be appointed for a term of five years.

Any vacancy in the Board of Trustees caused by death, resignation, or removal may be filled in like manner as aforesaid, the term to be for the residue of the time for which the original appointment was made.

Section 2. Said Board of Trustees shall have the care and control of said hospital agreeable to, and in conformity with such authority with respect thereto as may hereafter be conferred by law and ordinance.

Section 3. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained, May 23, 1917.
CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained, May 23, 1917.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor, May 24, 1917.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

AN ORDINANCE

Regulating Traffic in South Water Street Between Potomska and Cove Streets.

Be it ordained by the City Council of the City of New Bedford as follows

Section 1. No business vehicle, other than light express wagons and motor trucks of one and one-half tons capacity or less, shall be allowed the use of South Water street between Potomska and Cove streets in either direction, except for local business.

Section 2. This ordinance shall take effect upon its passage.

In Board of Aldermen. Passed to be ordained, May 24, 1917.
CHARLES S. ASHLEY, Mayor.

In Common Council. Passed to be ordained, May 24, 1917.
HARRISON T. BORDEN, President.

Presented to and approved by the Mayor, May 25, 1917.

A true copy, attest: W. H. B. REMINGTON, City Clerk.